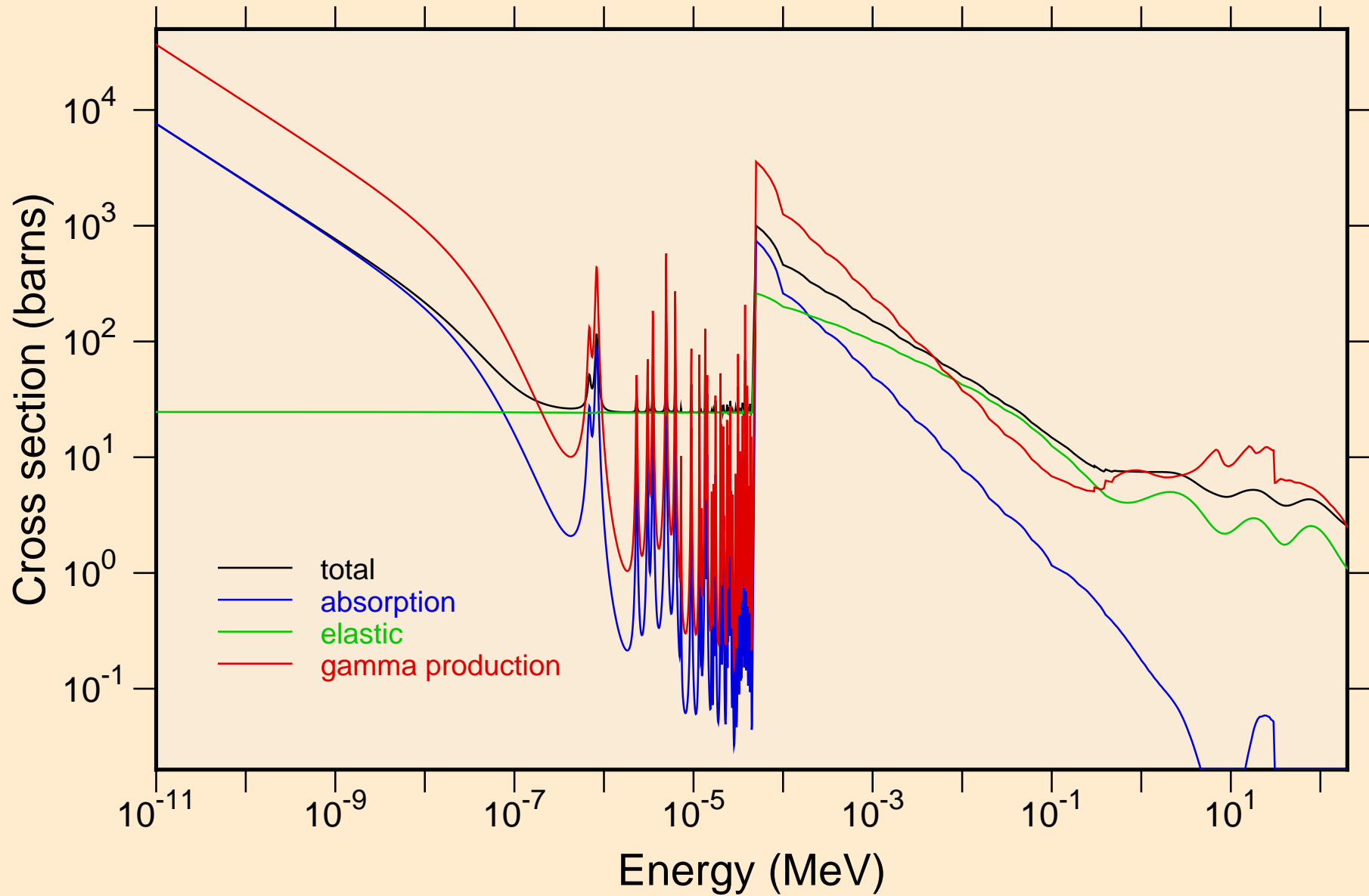
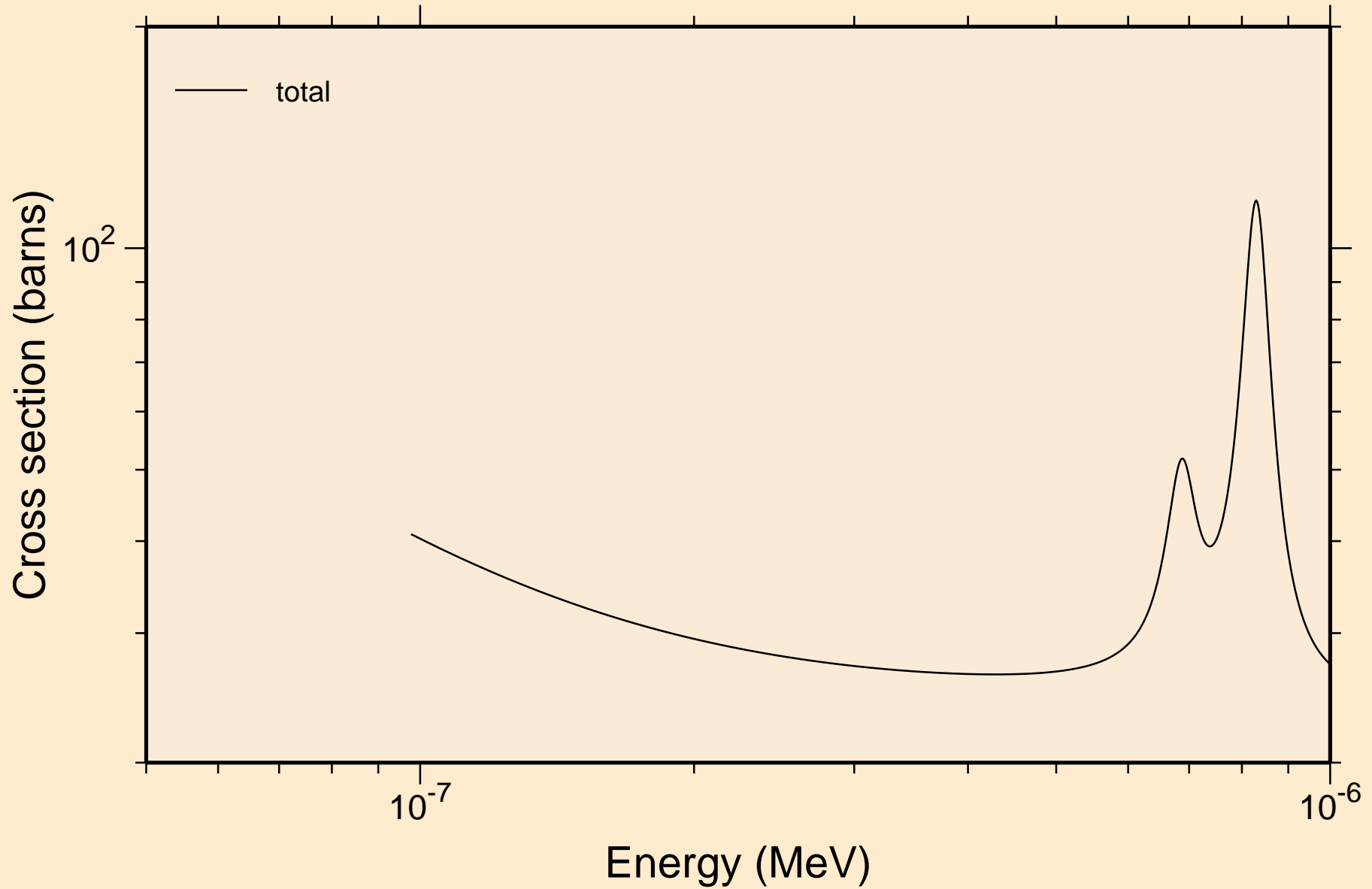


# ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

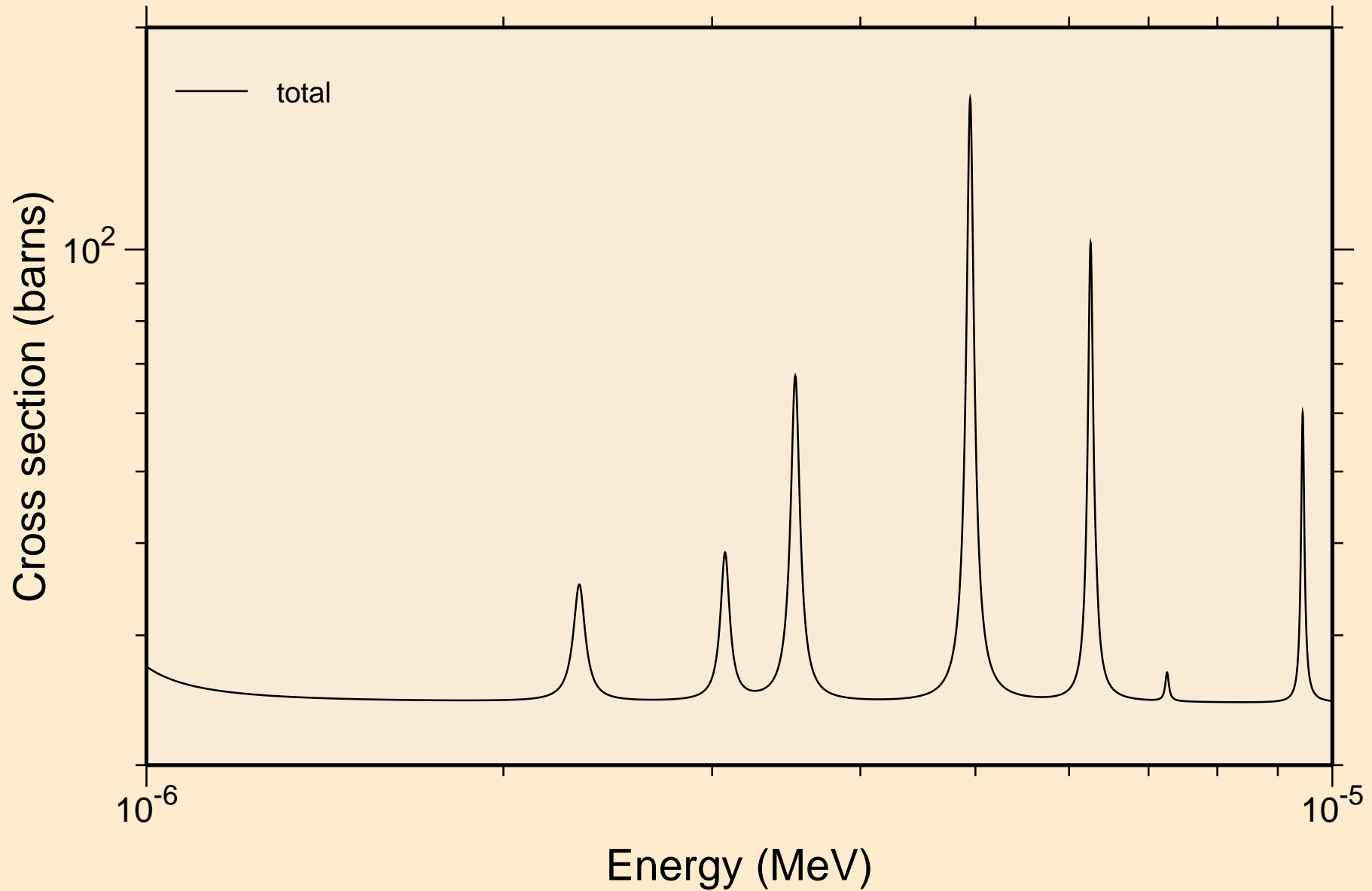
## Principal cross sections



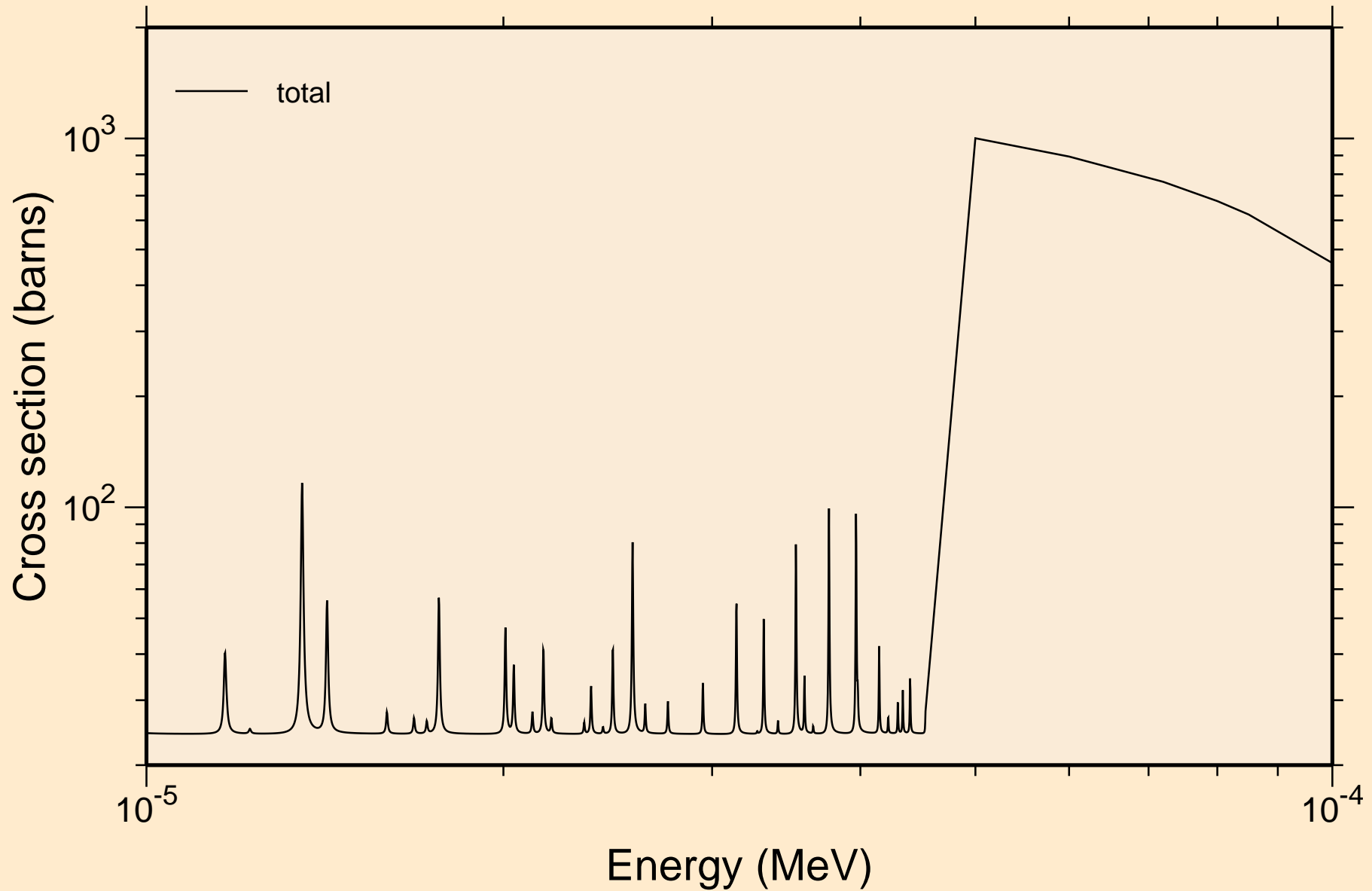
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



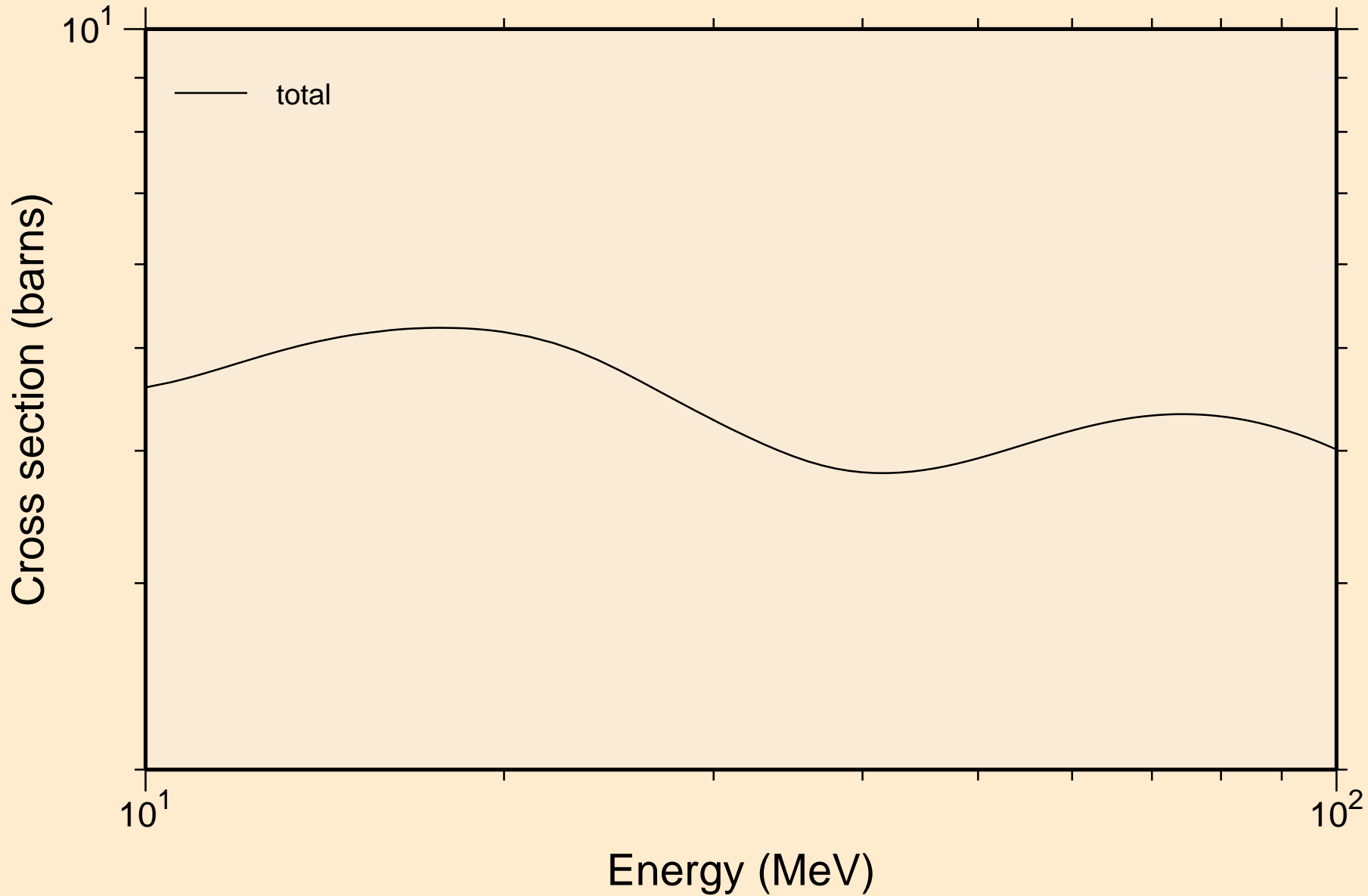
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



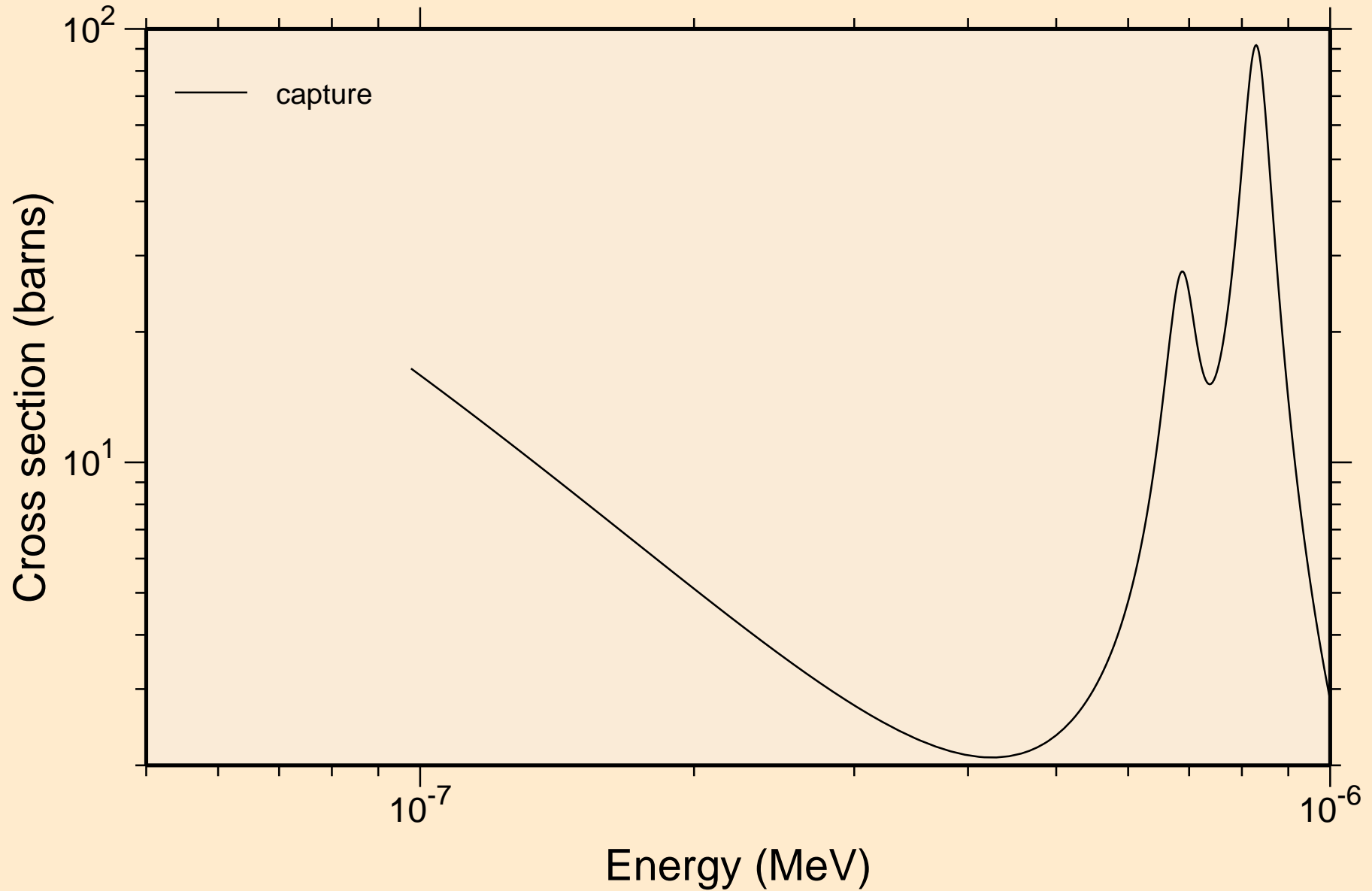
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



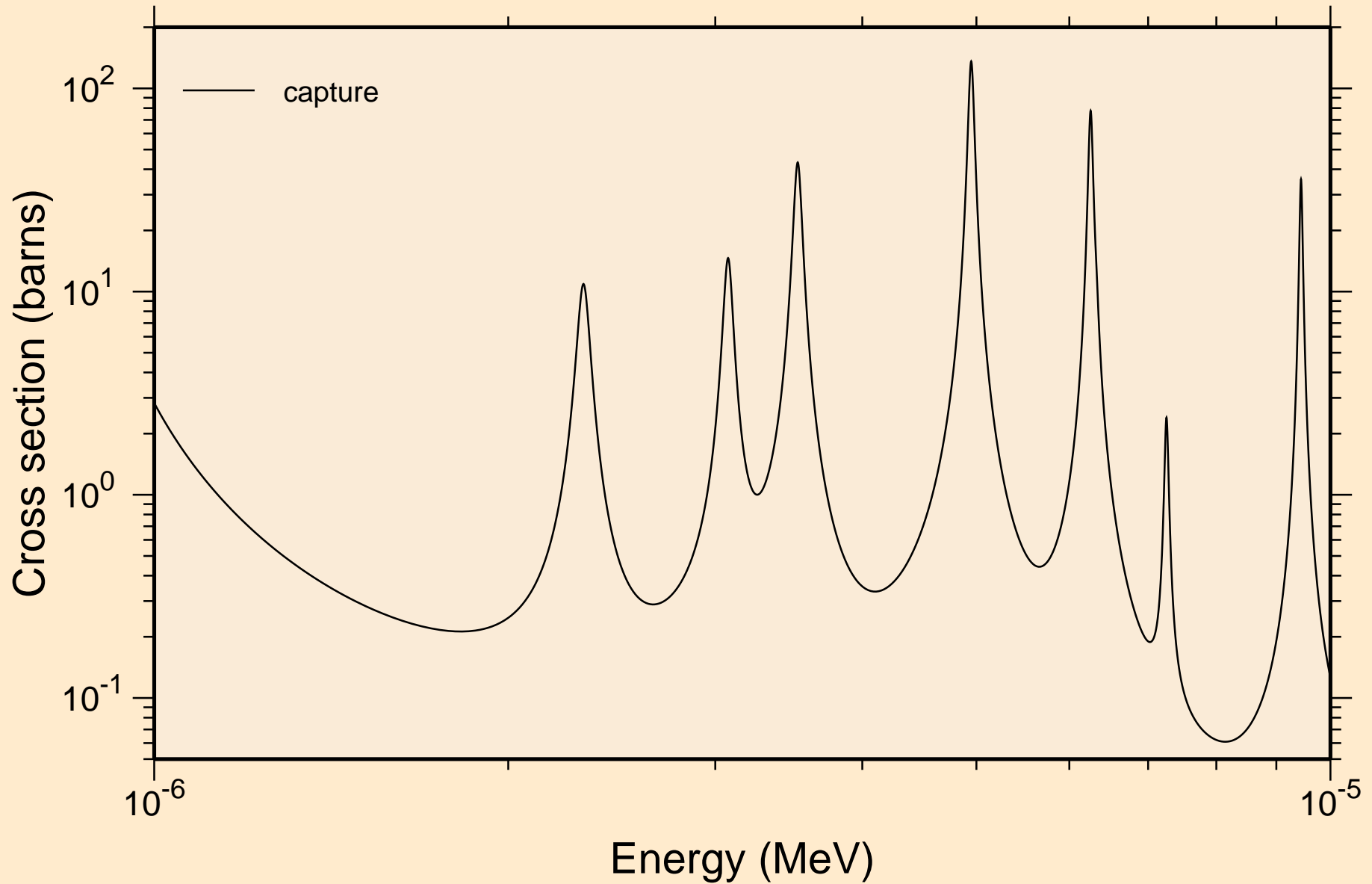
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



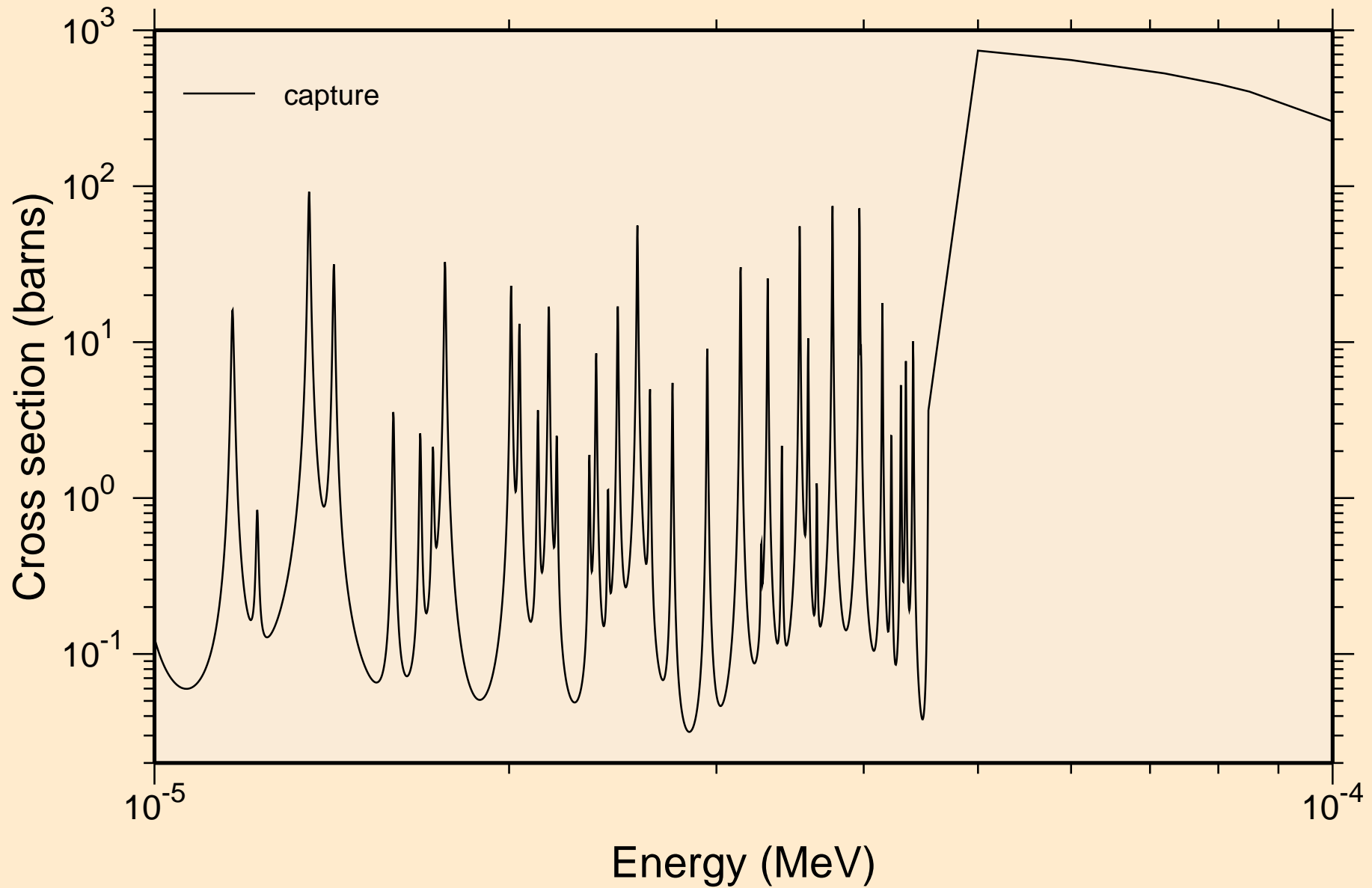
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

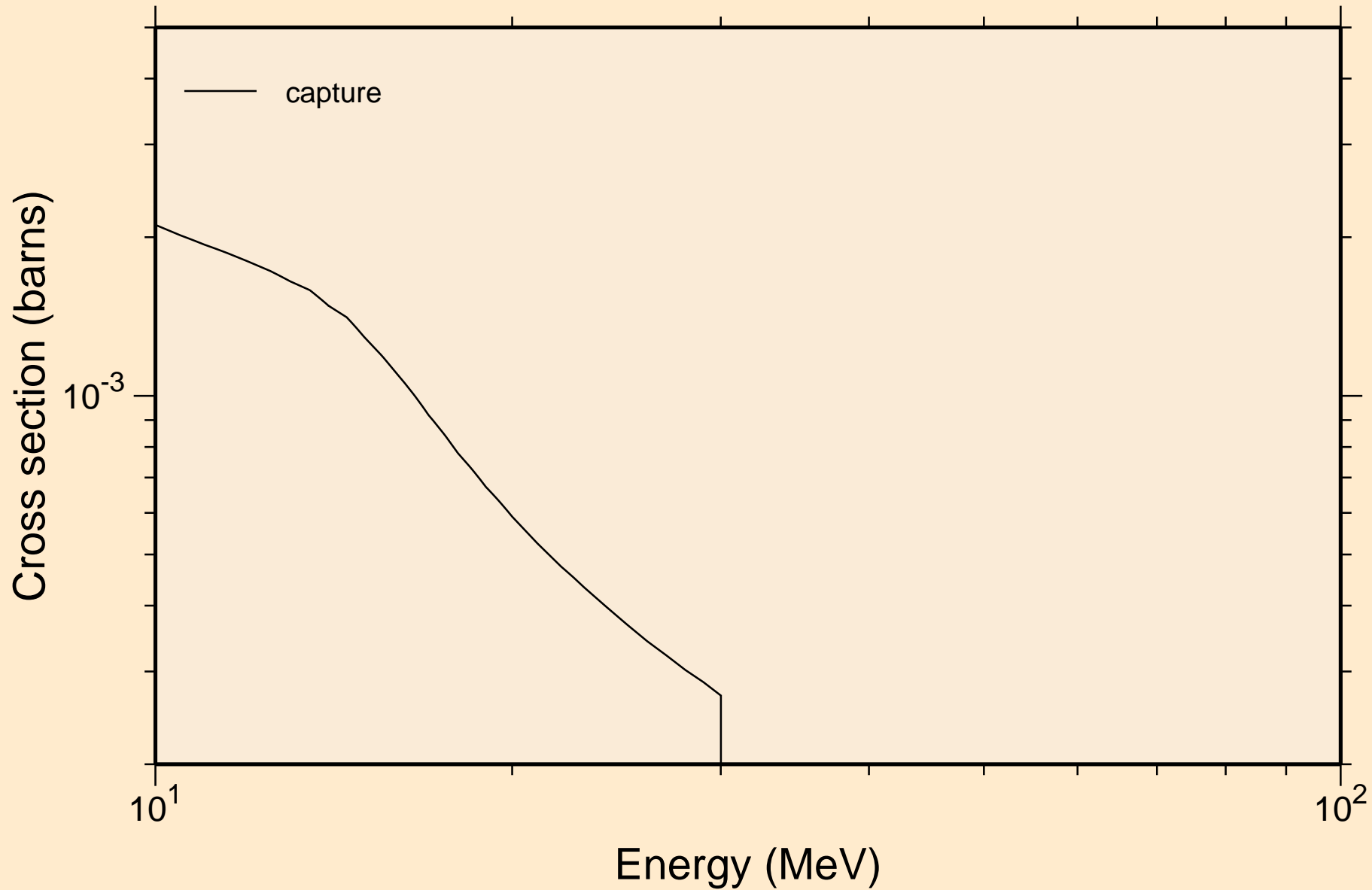


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



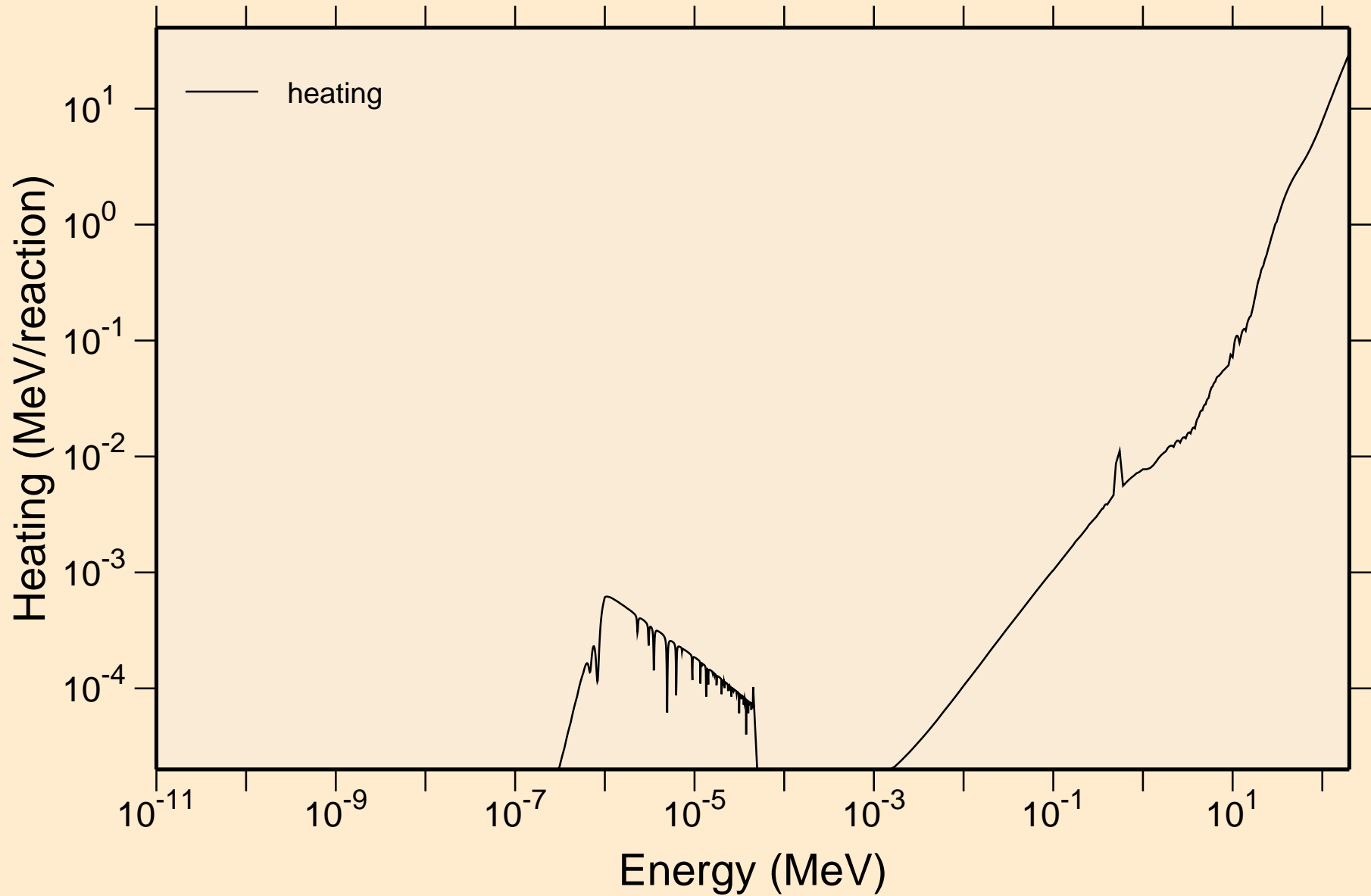


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



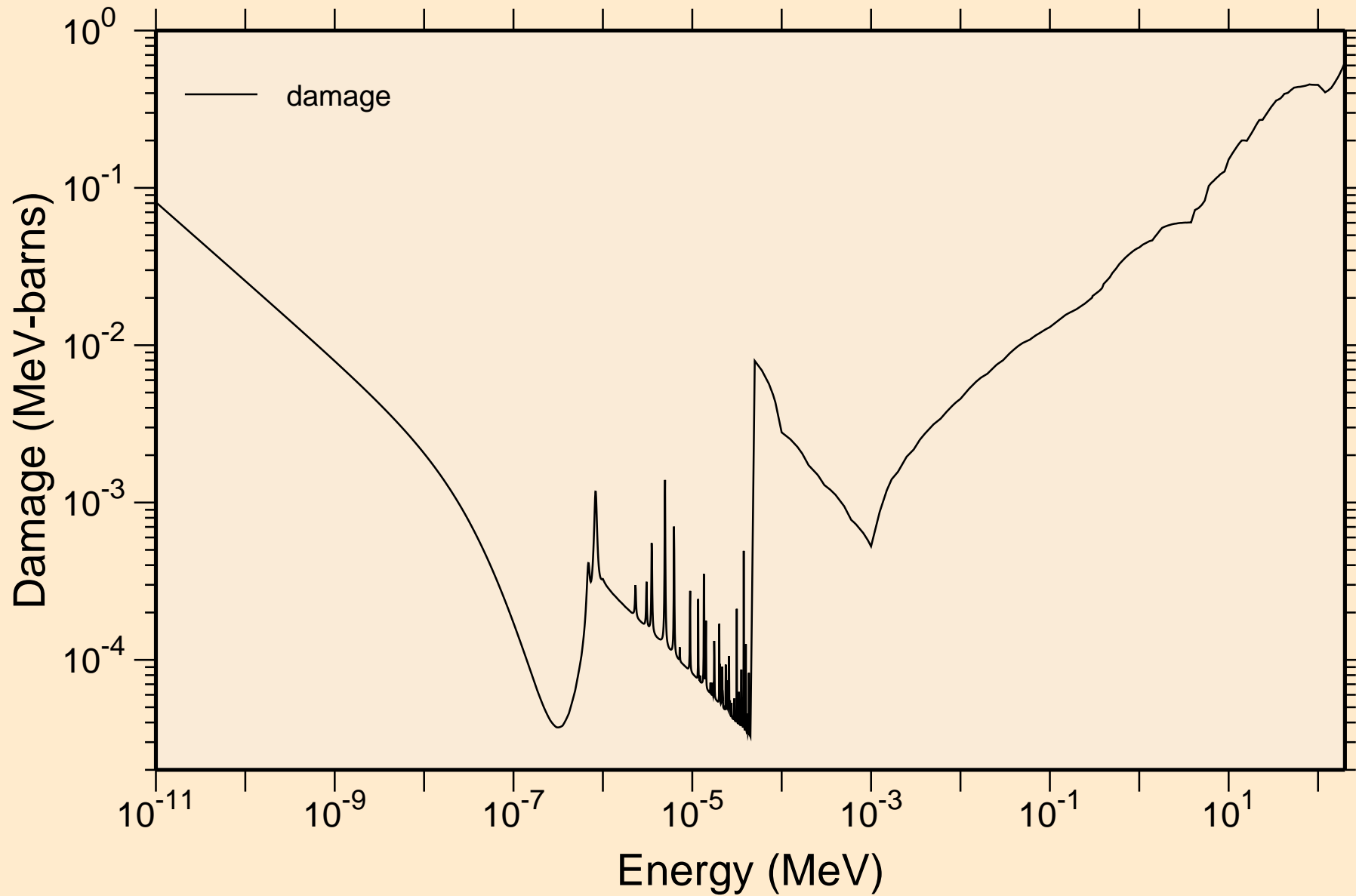
# ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

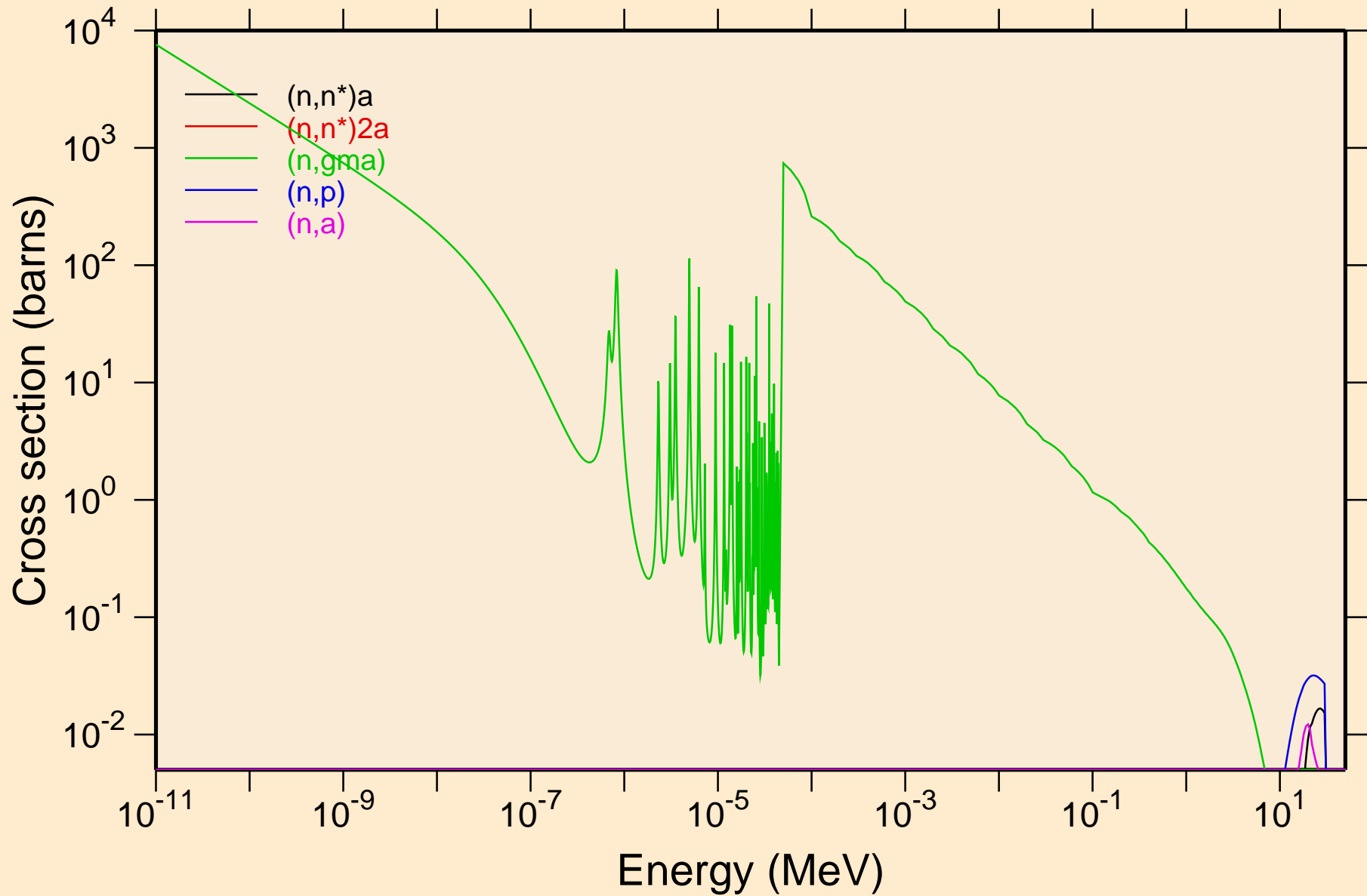


# ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

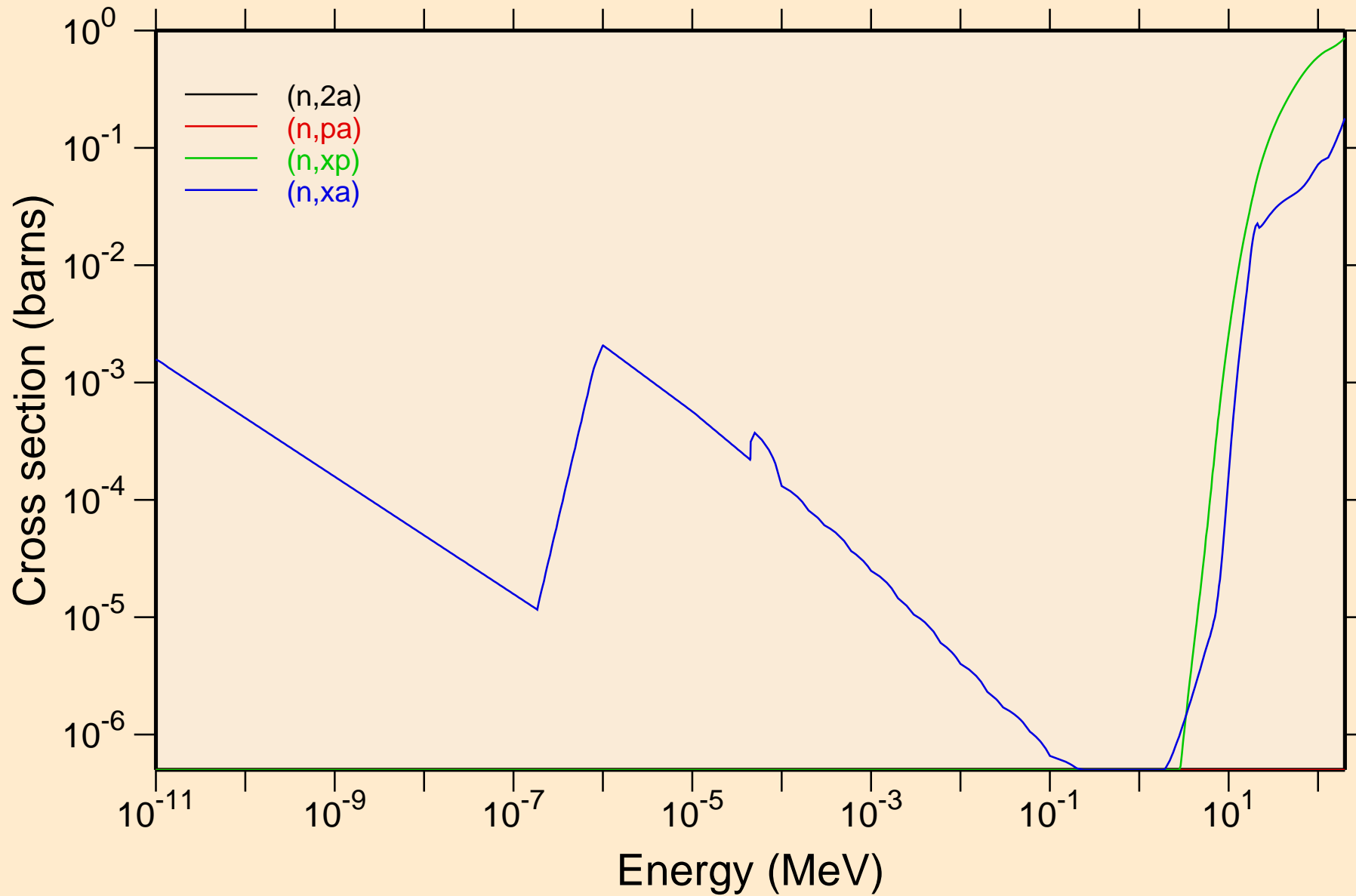
## Damage



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

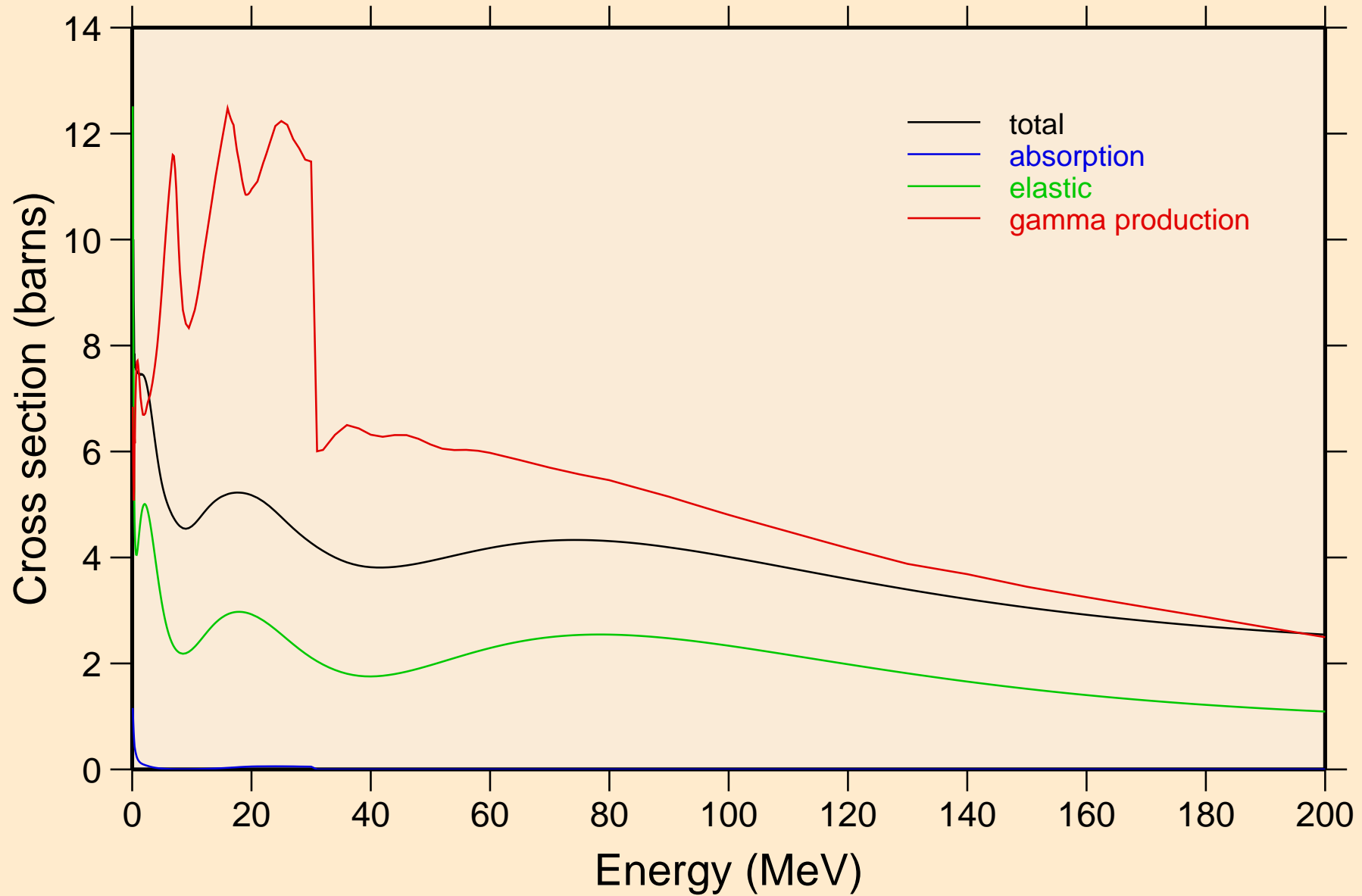


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



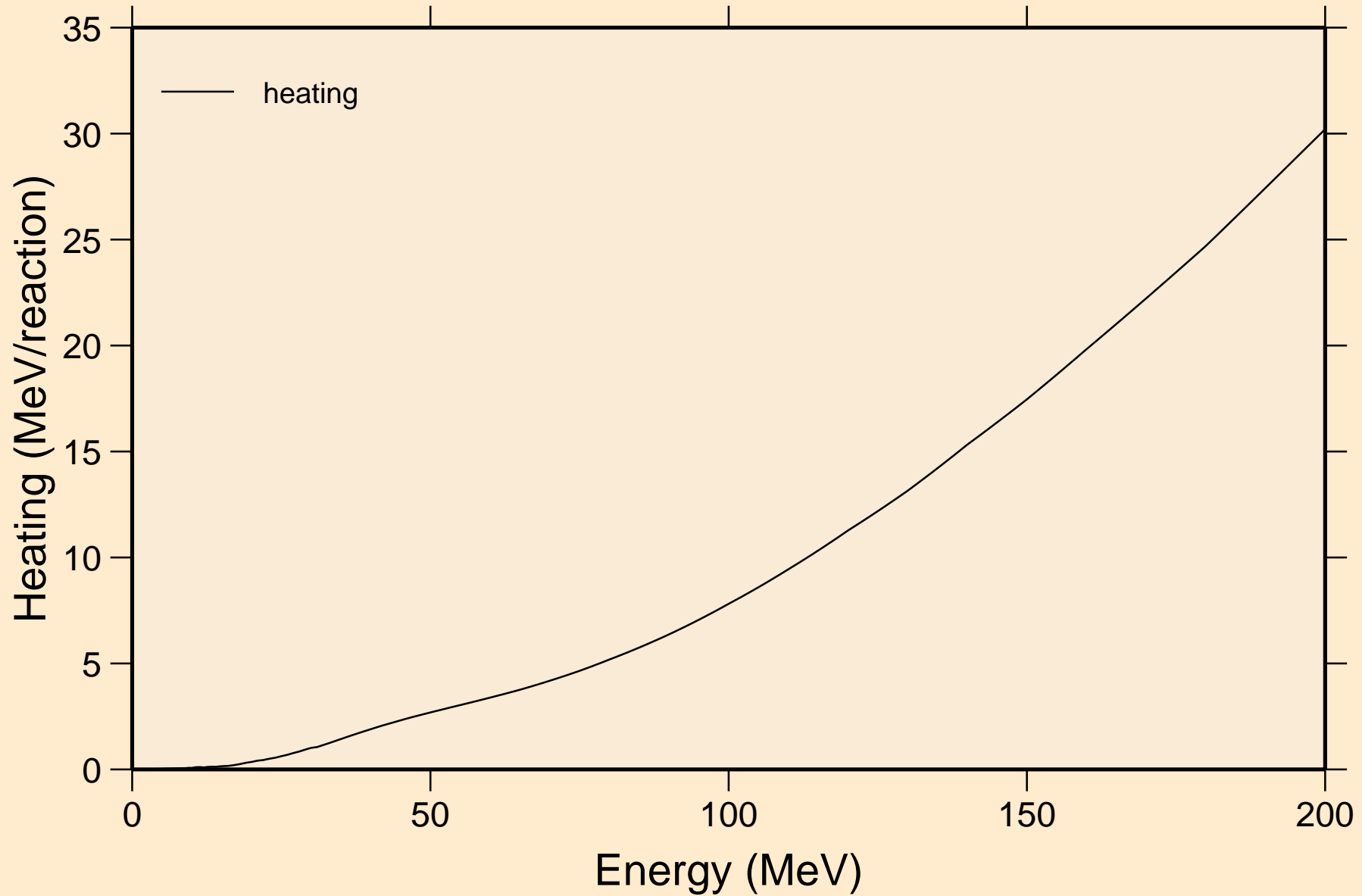
# ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



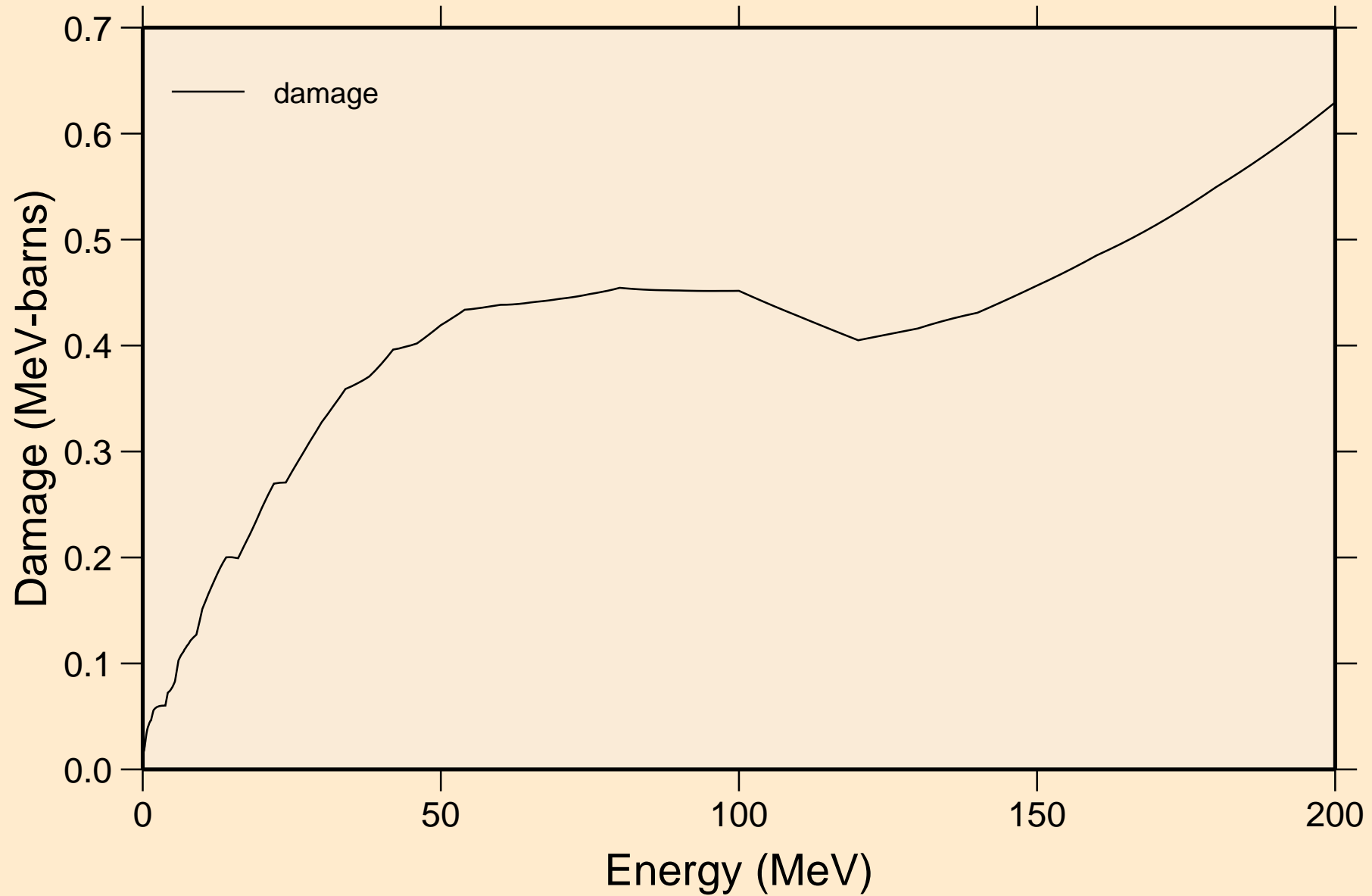
# ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



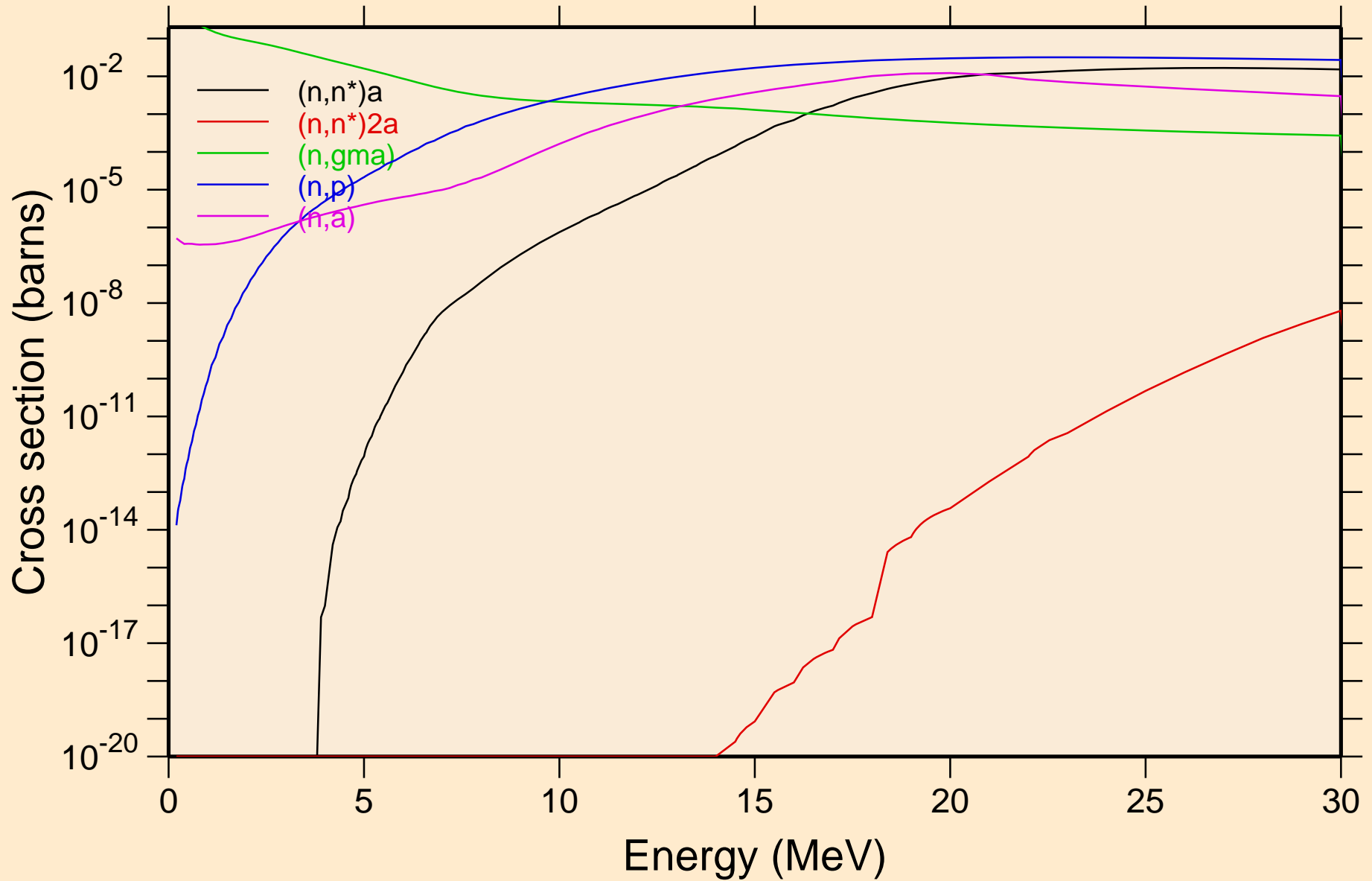
# ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

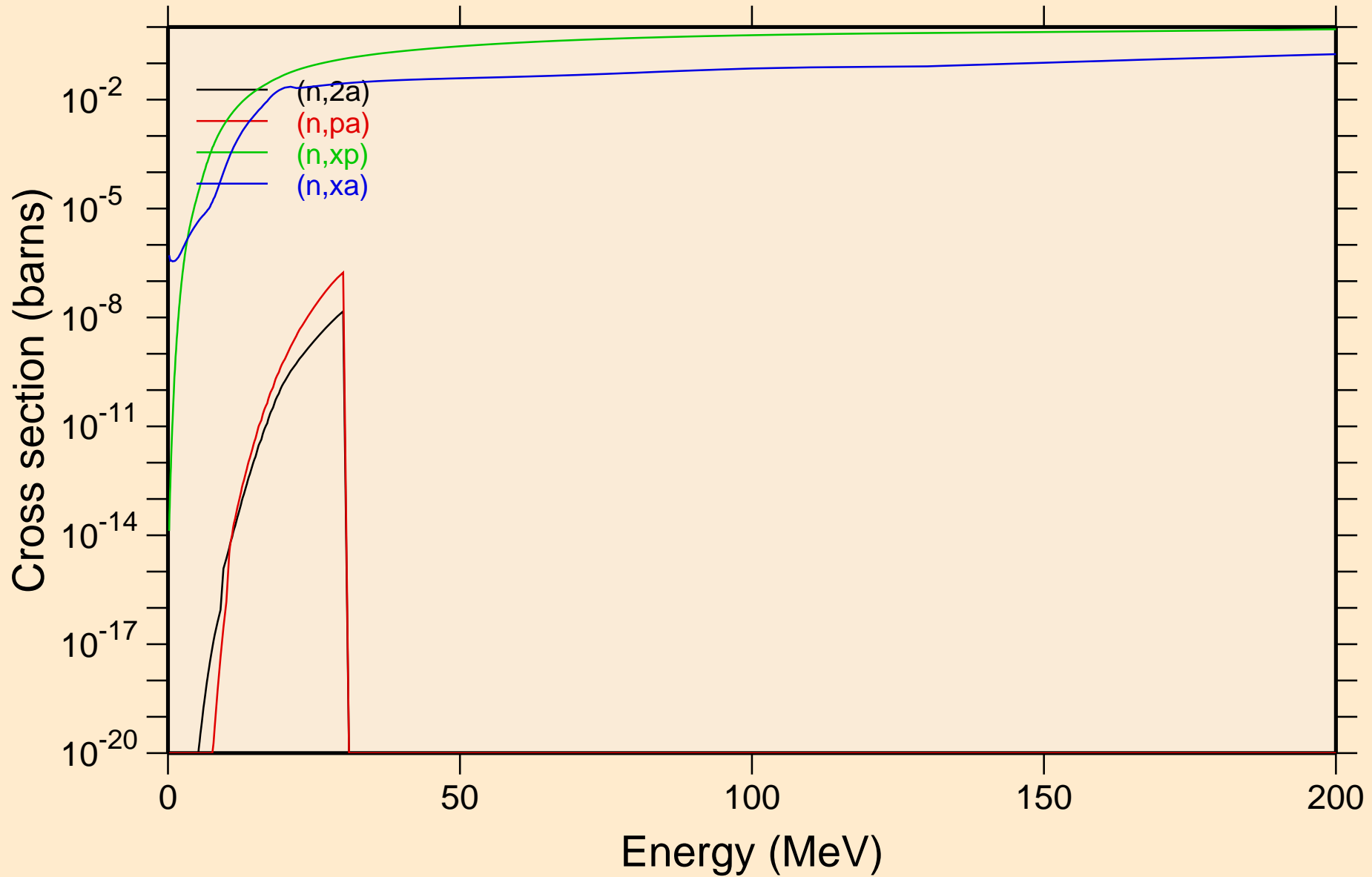




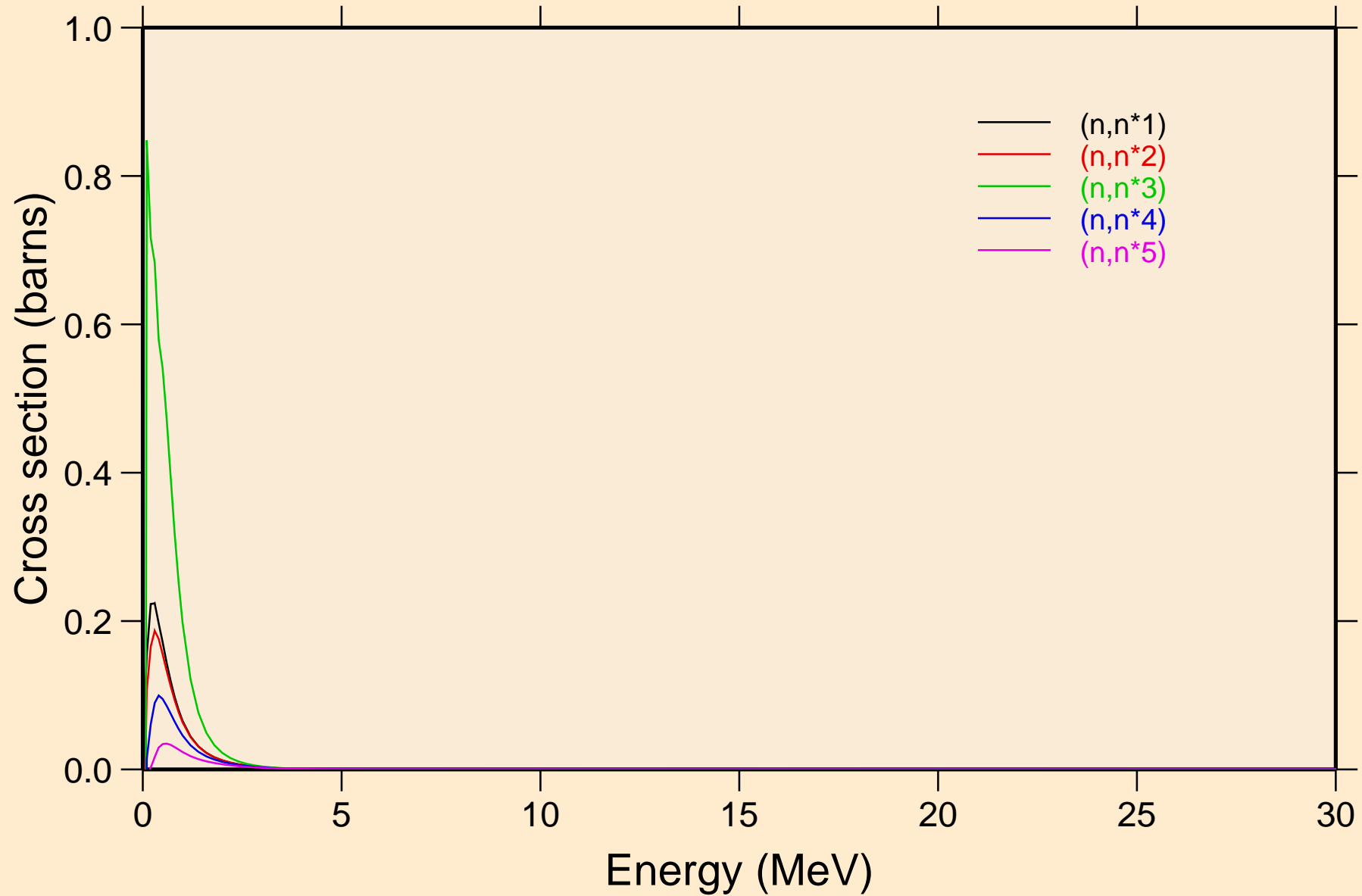
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



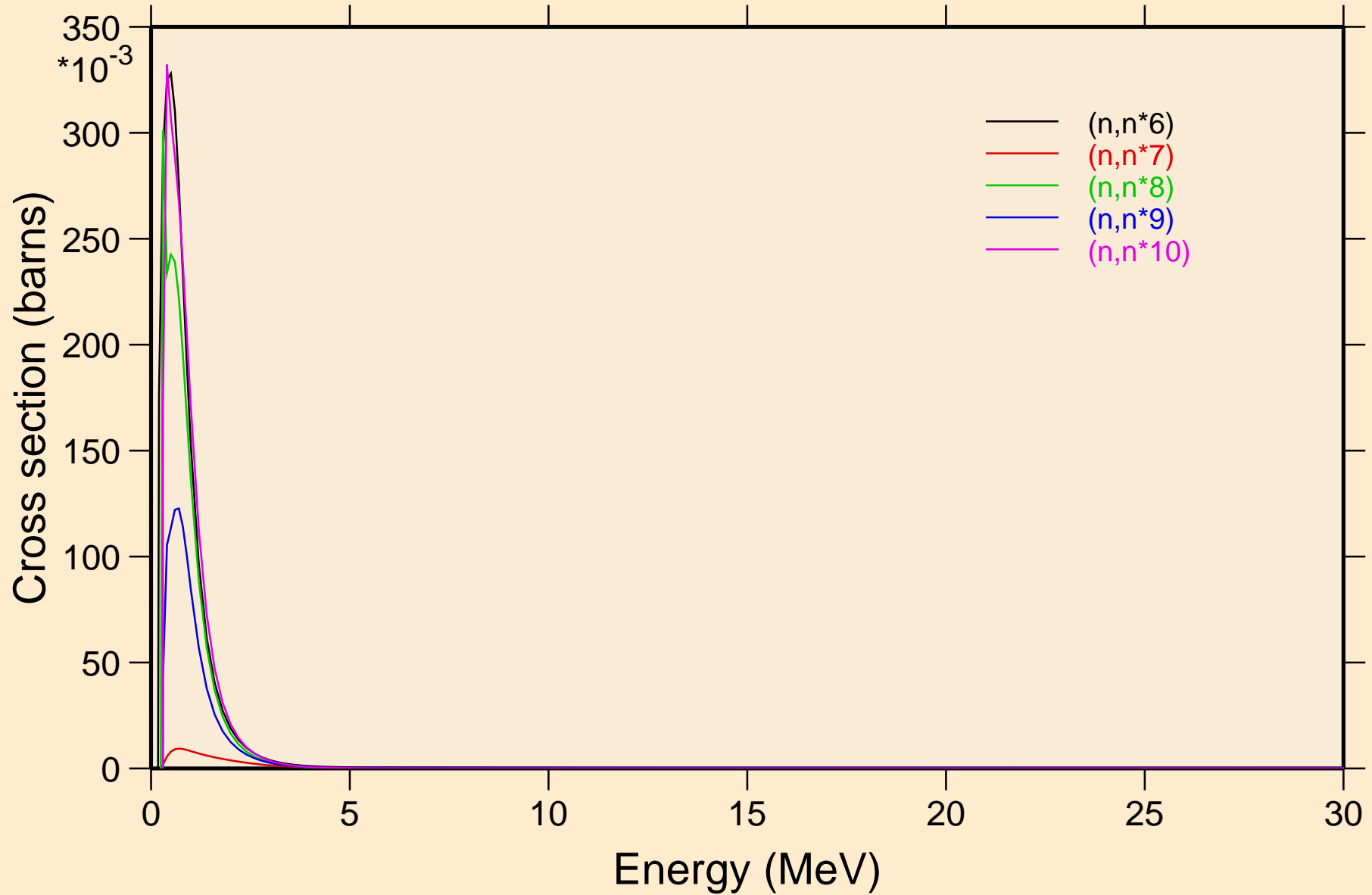
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



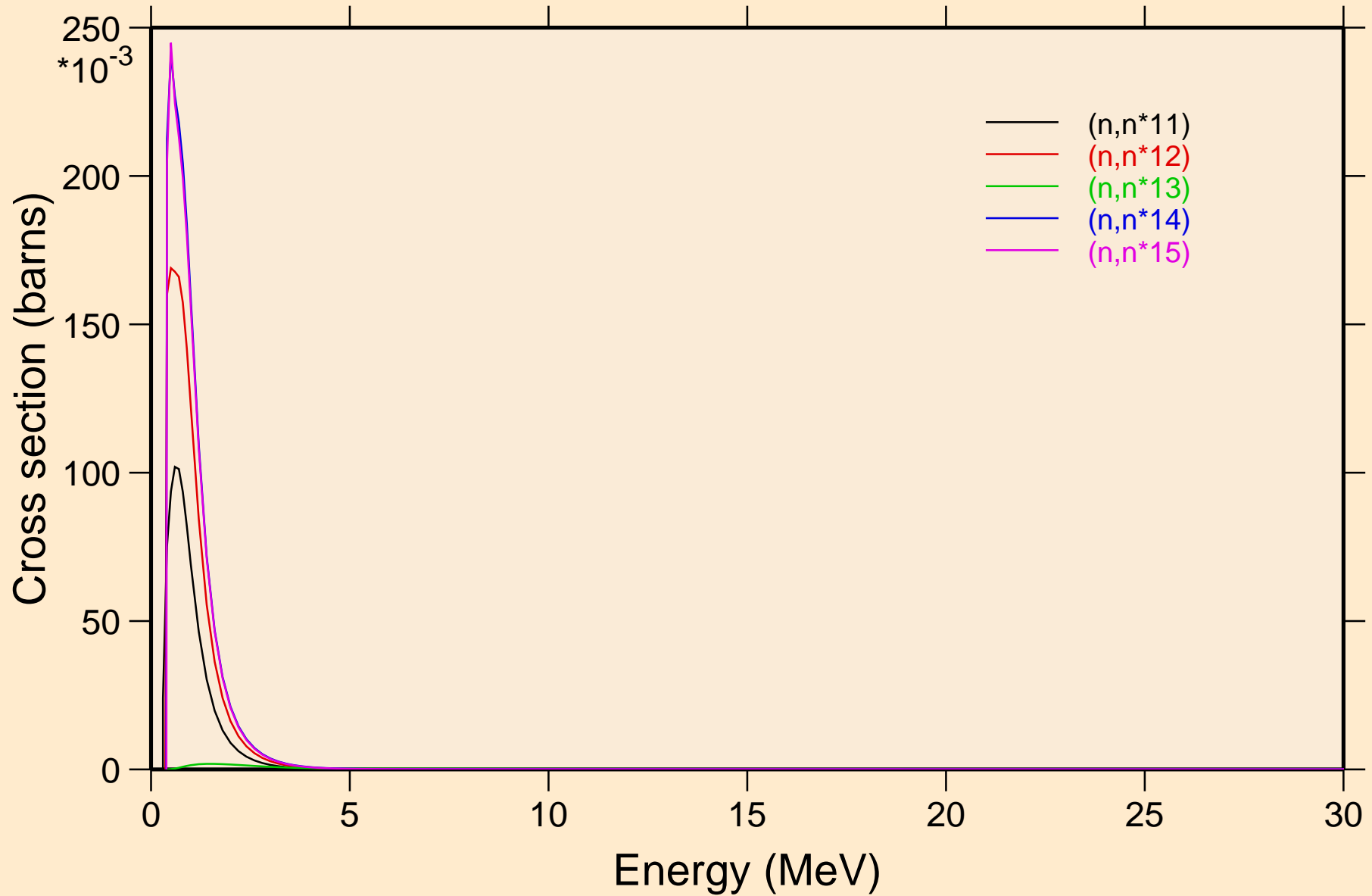
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



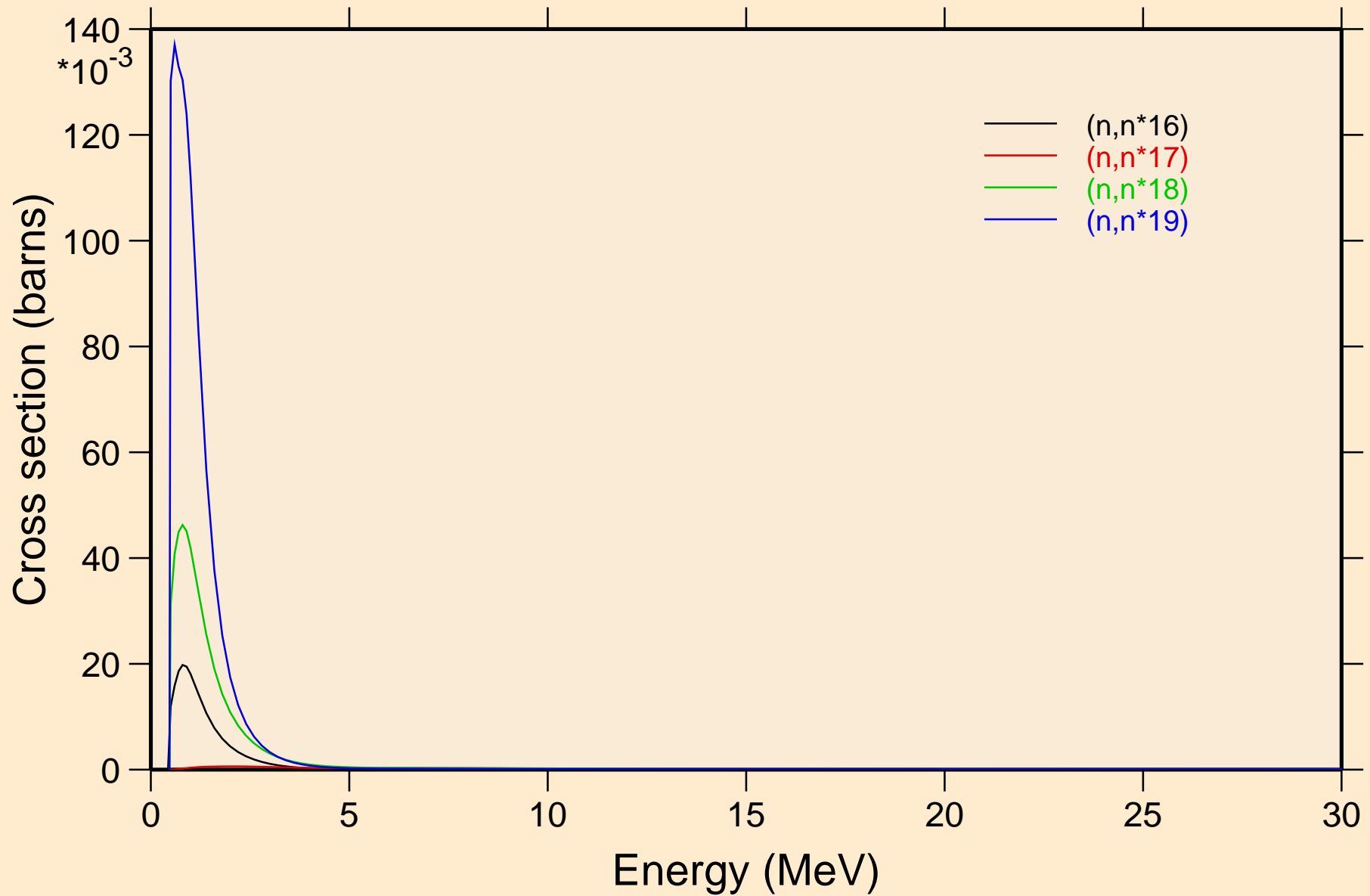
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

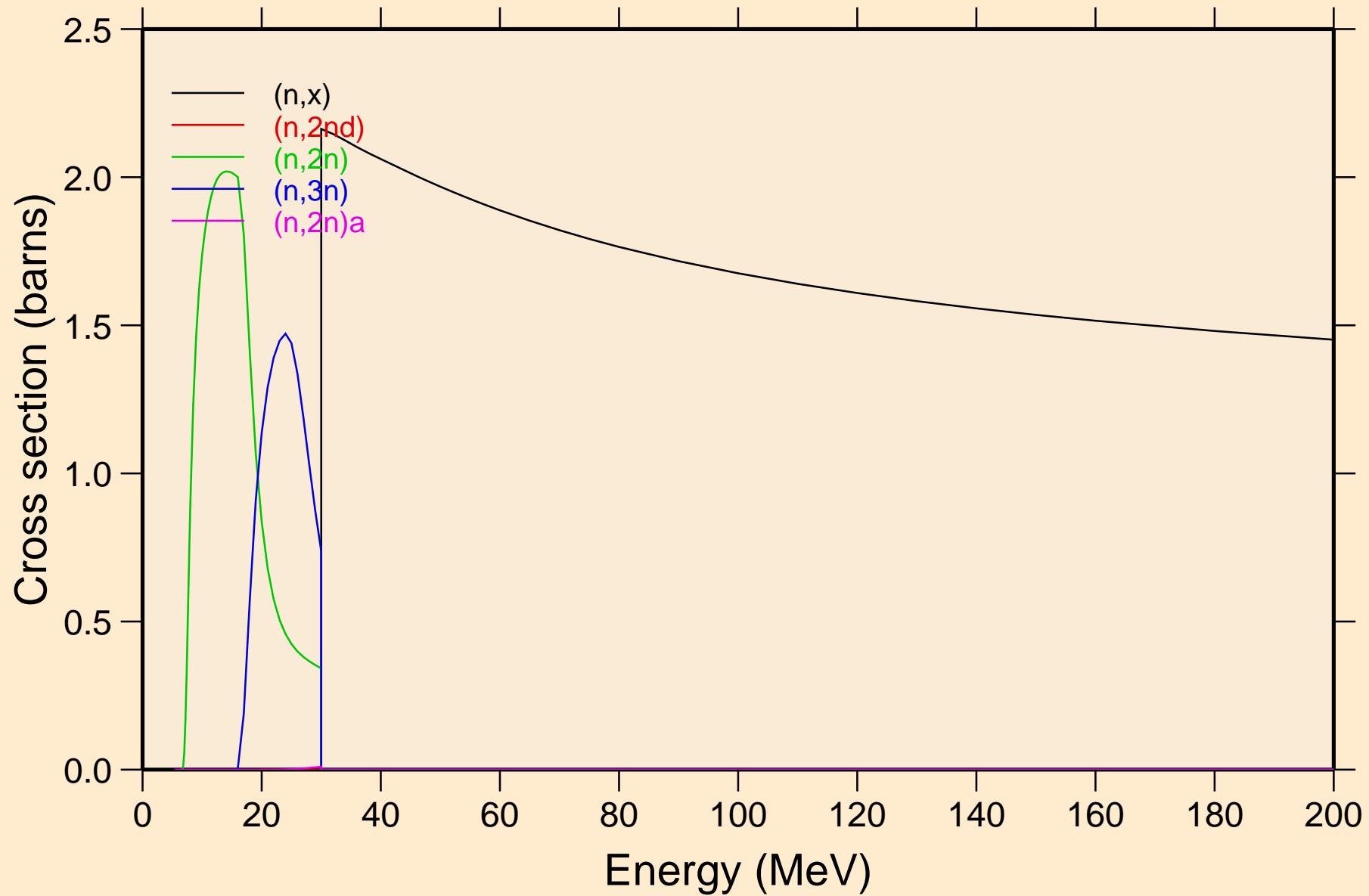


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



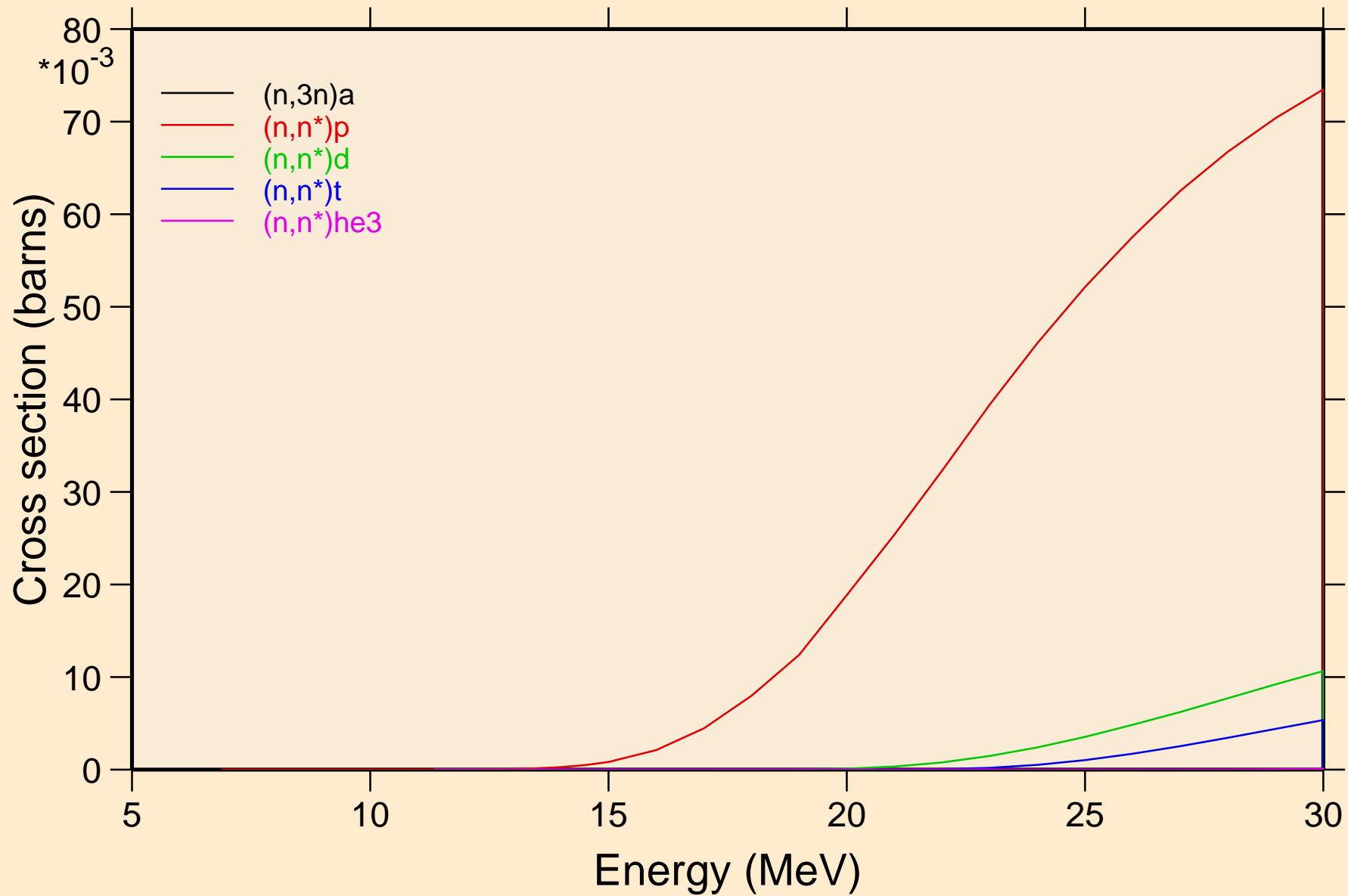
# ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



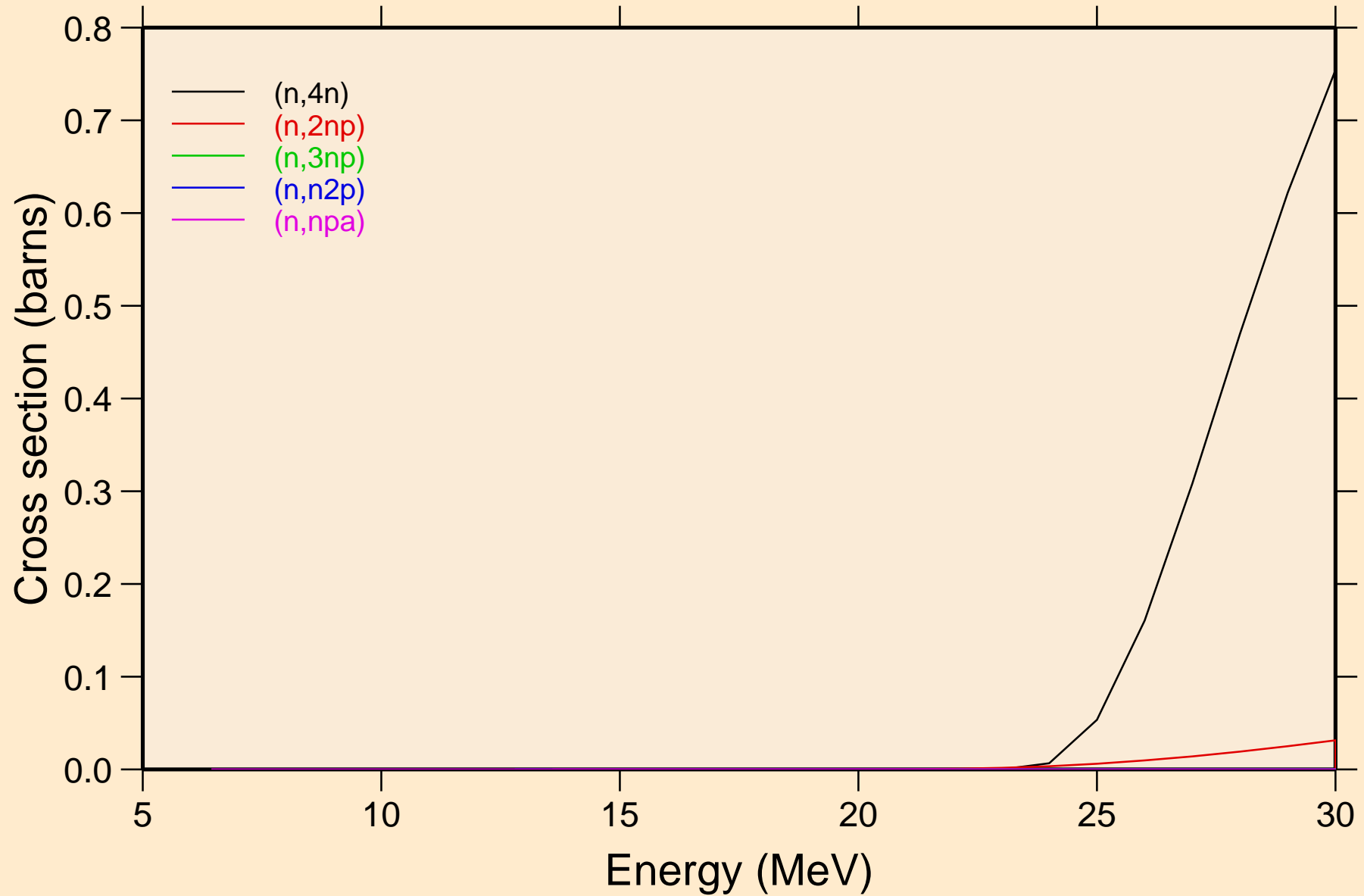
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## Threshold reactions

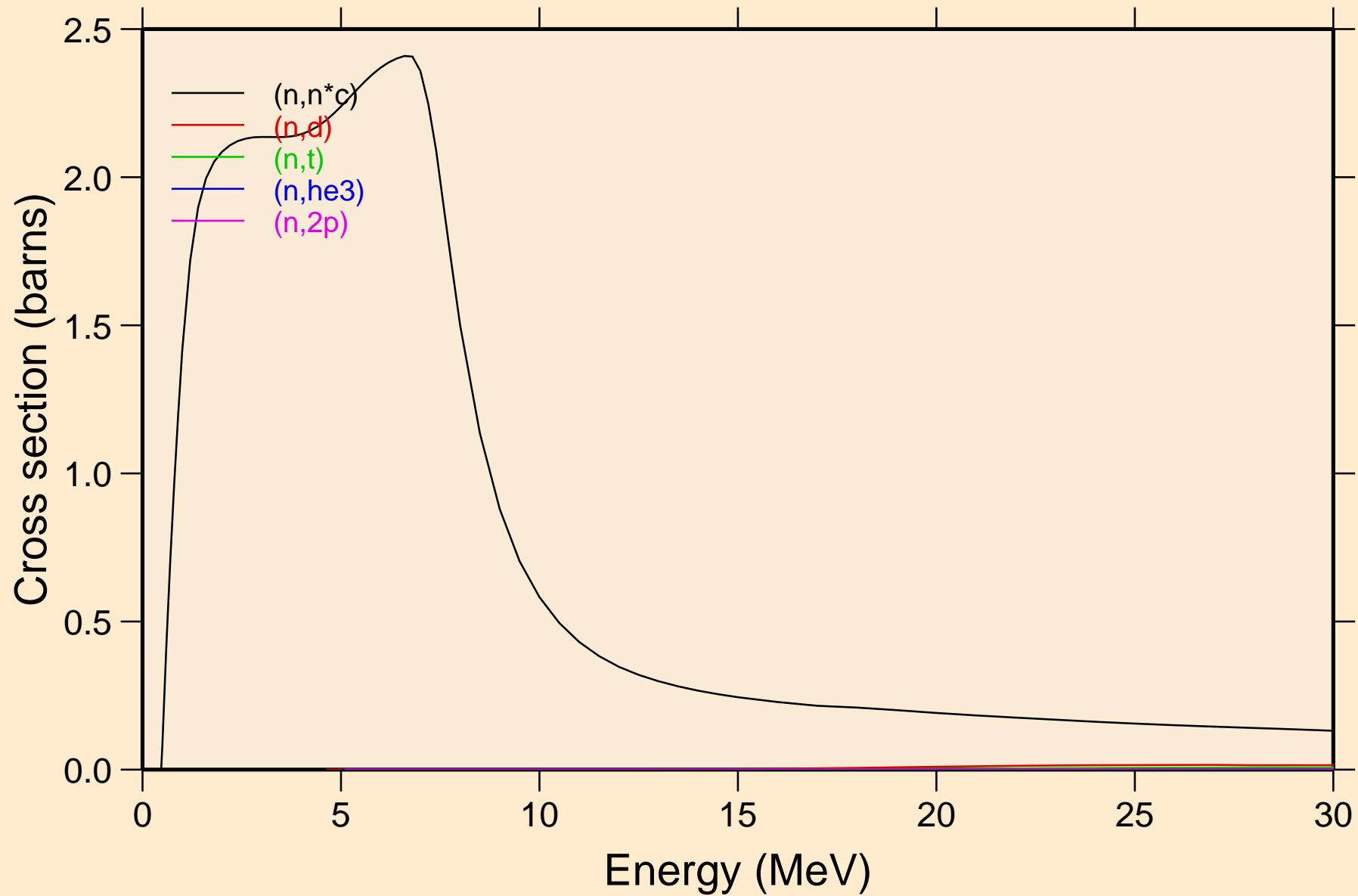




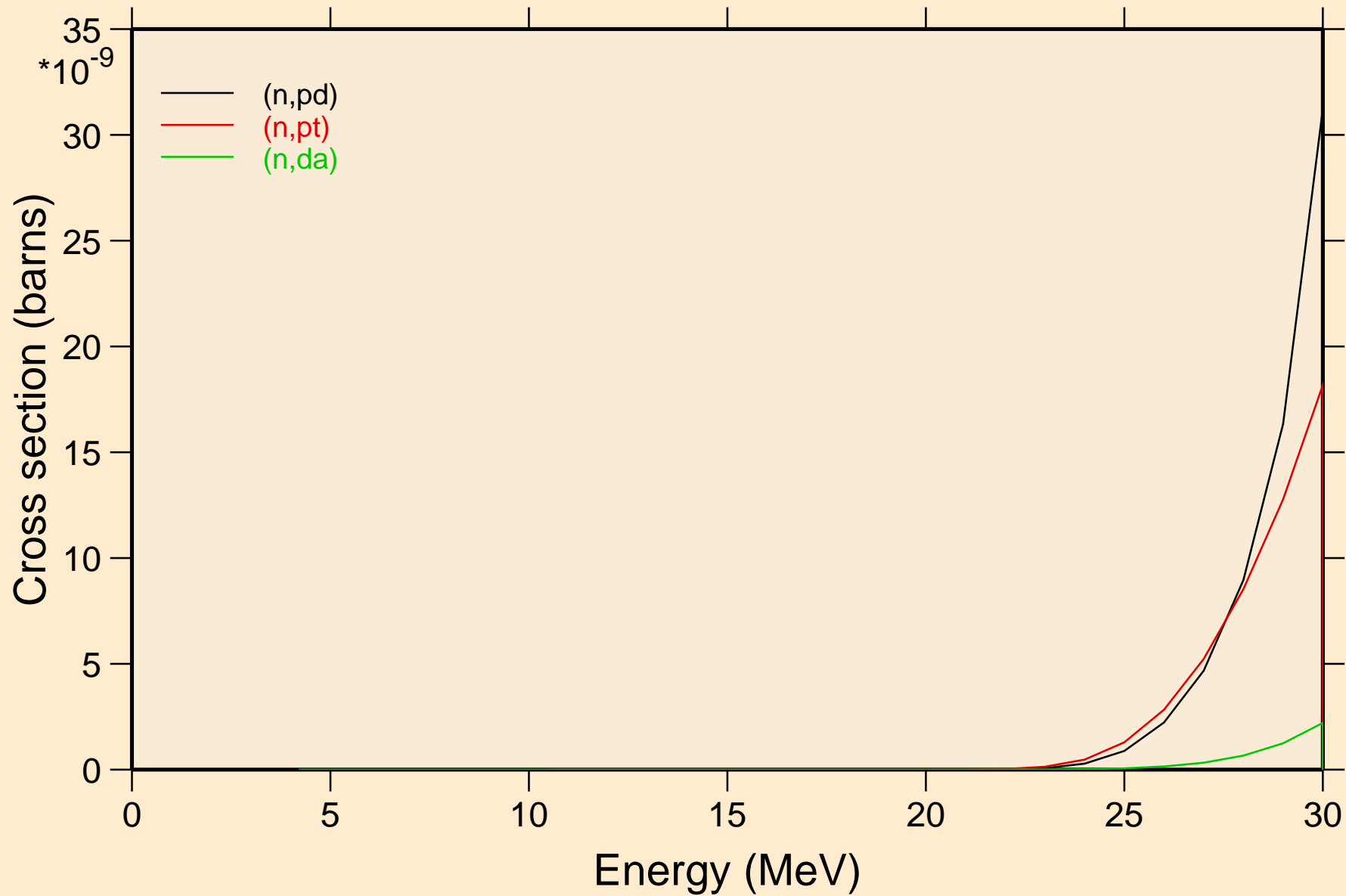
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

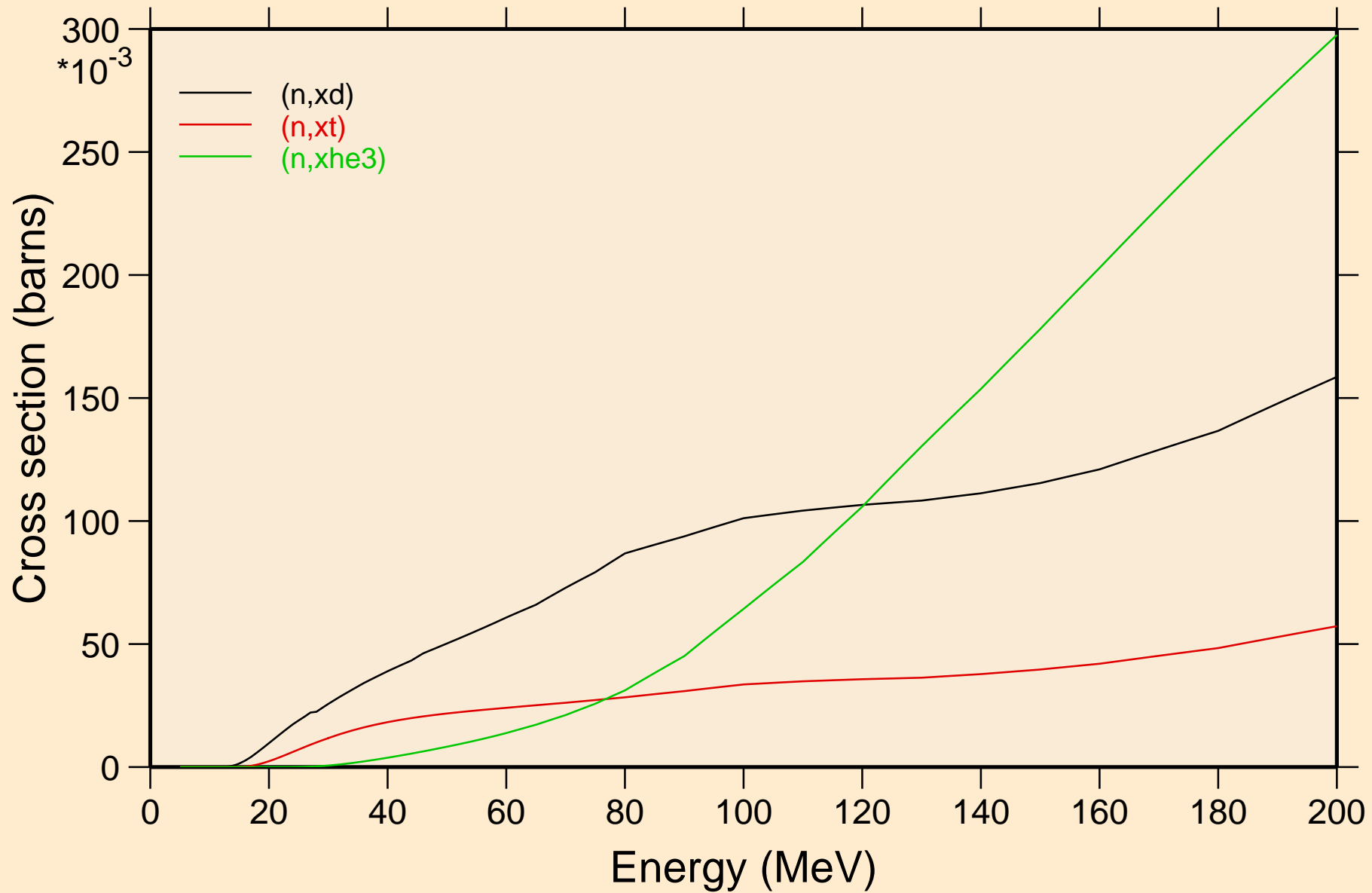


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

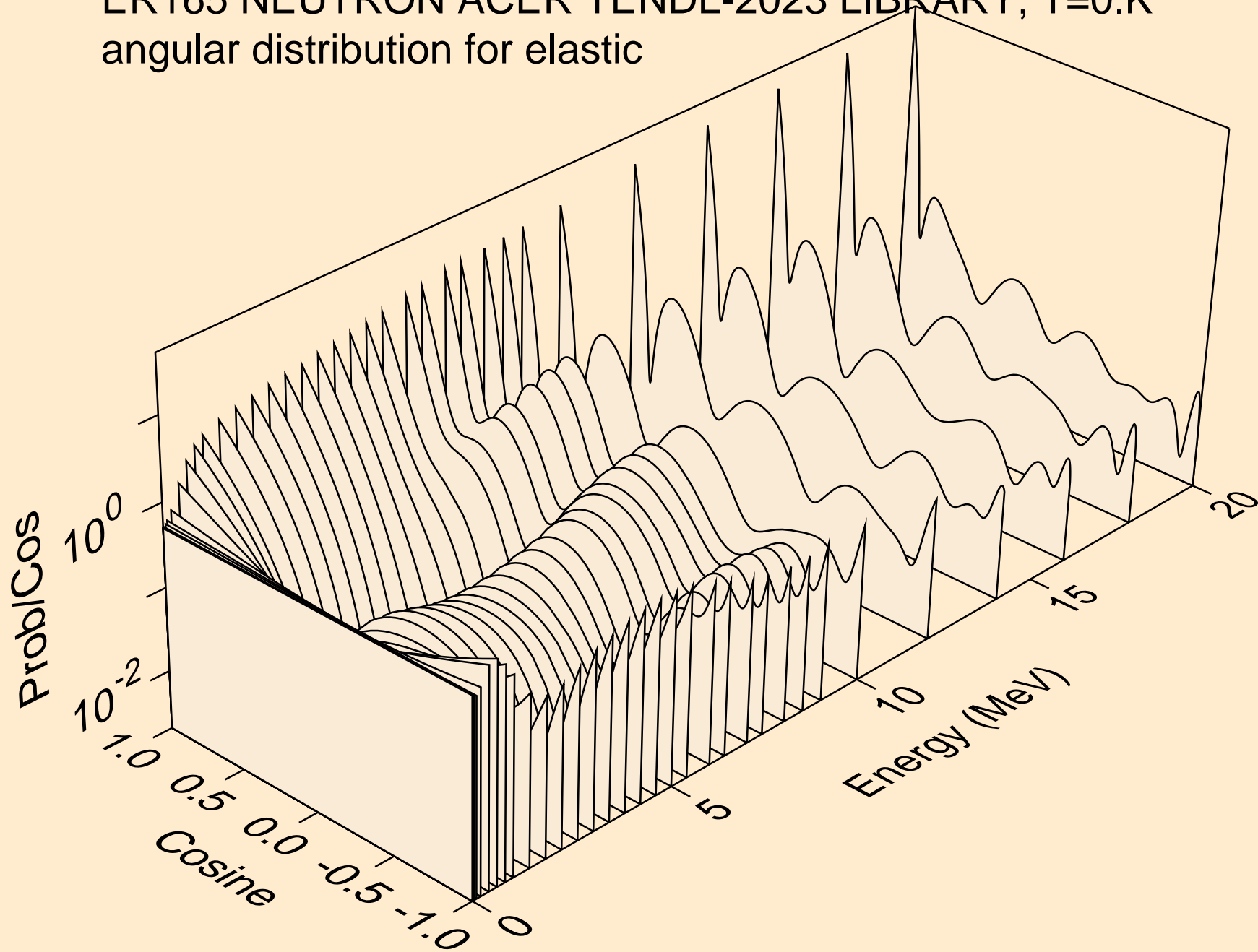


# ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

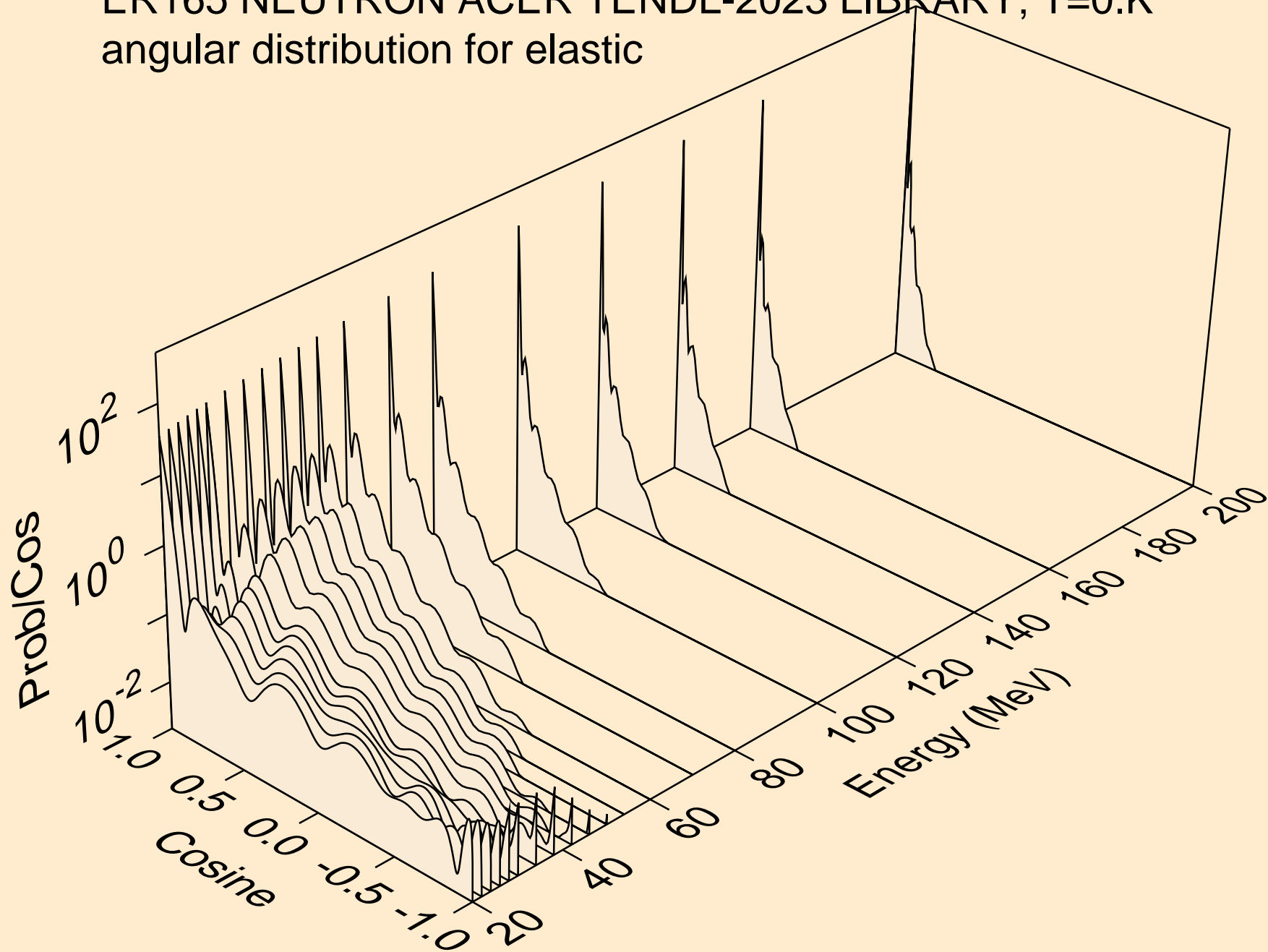
## Threshold reactions



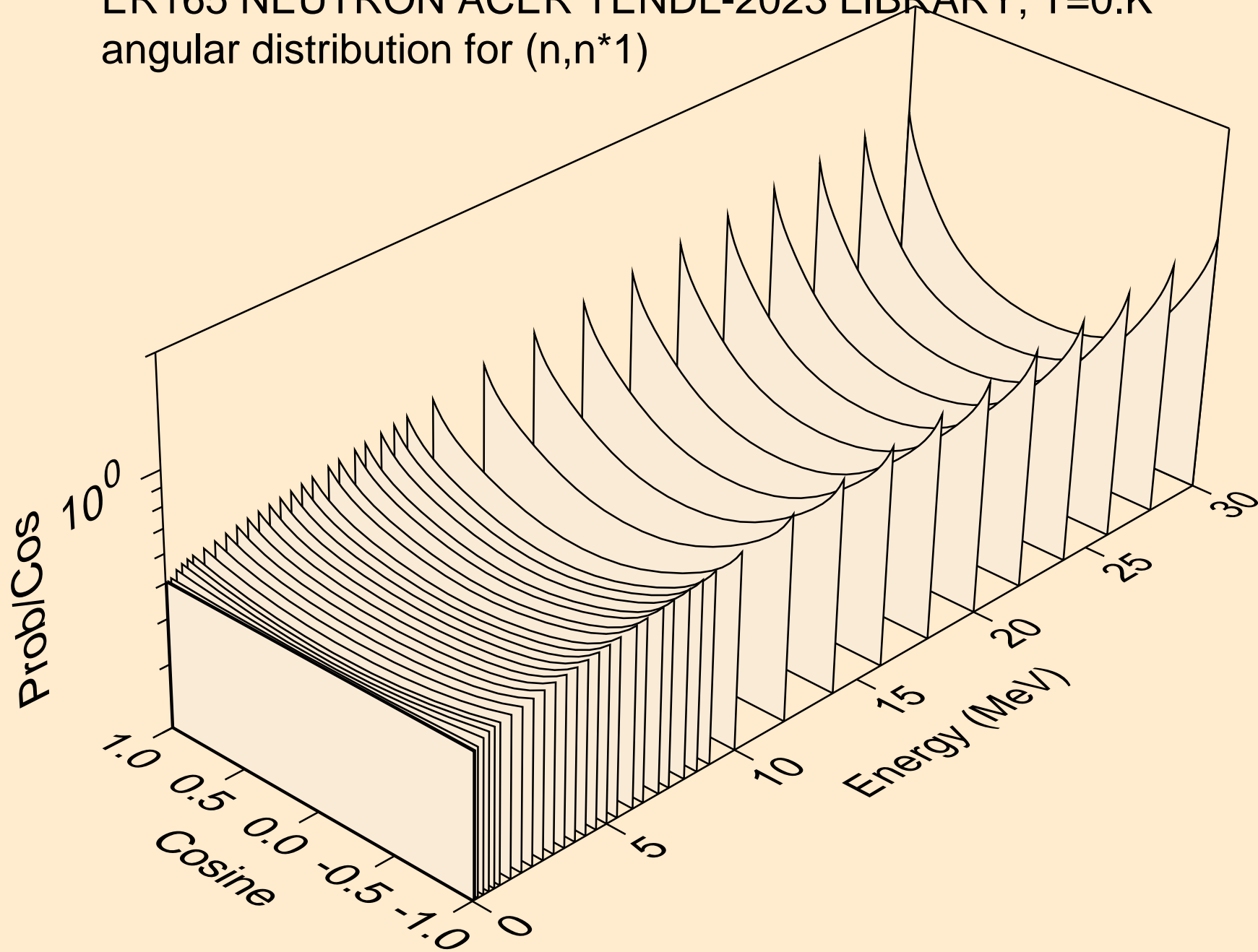
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



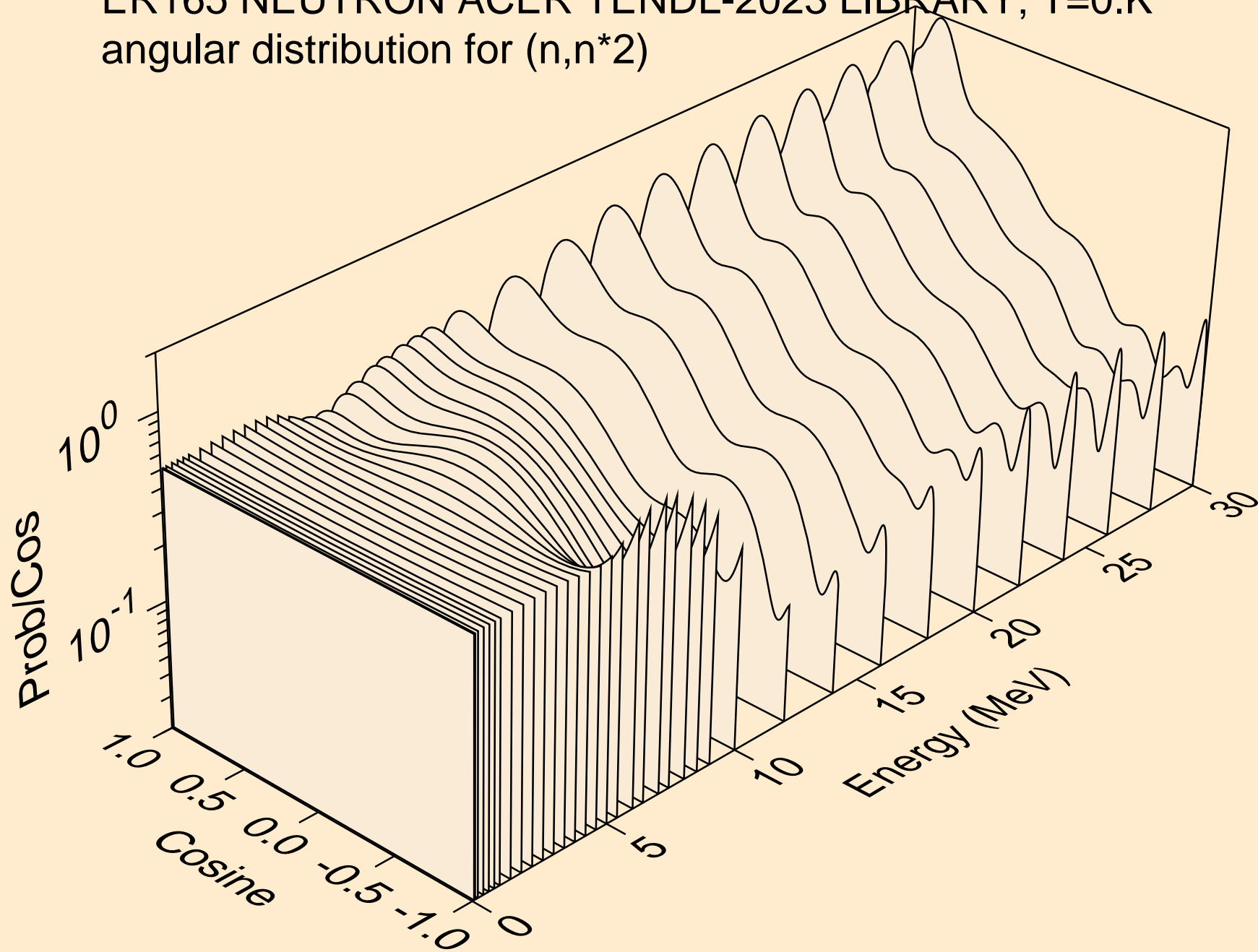
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

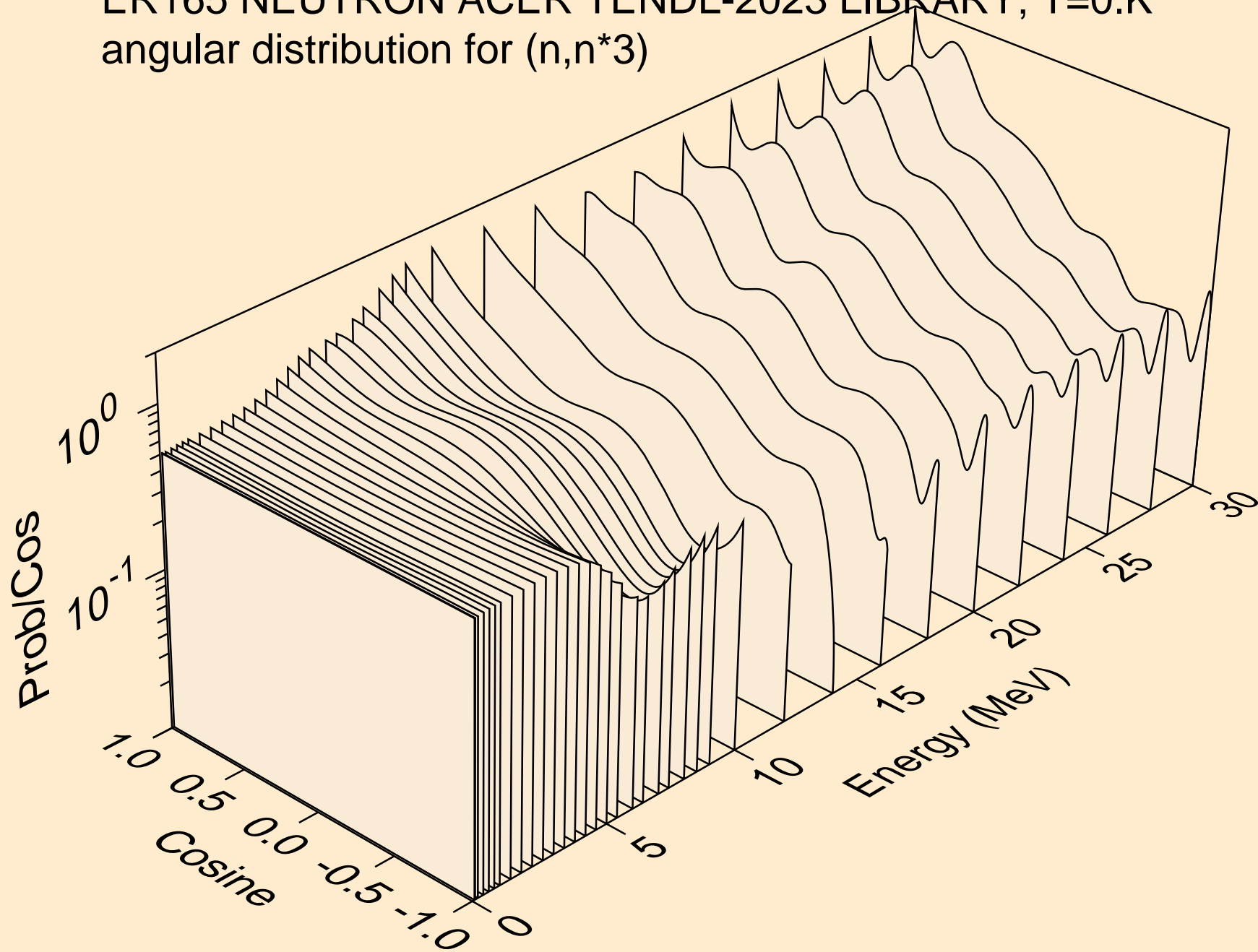


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

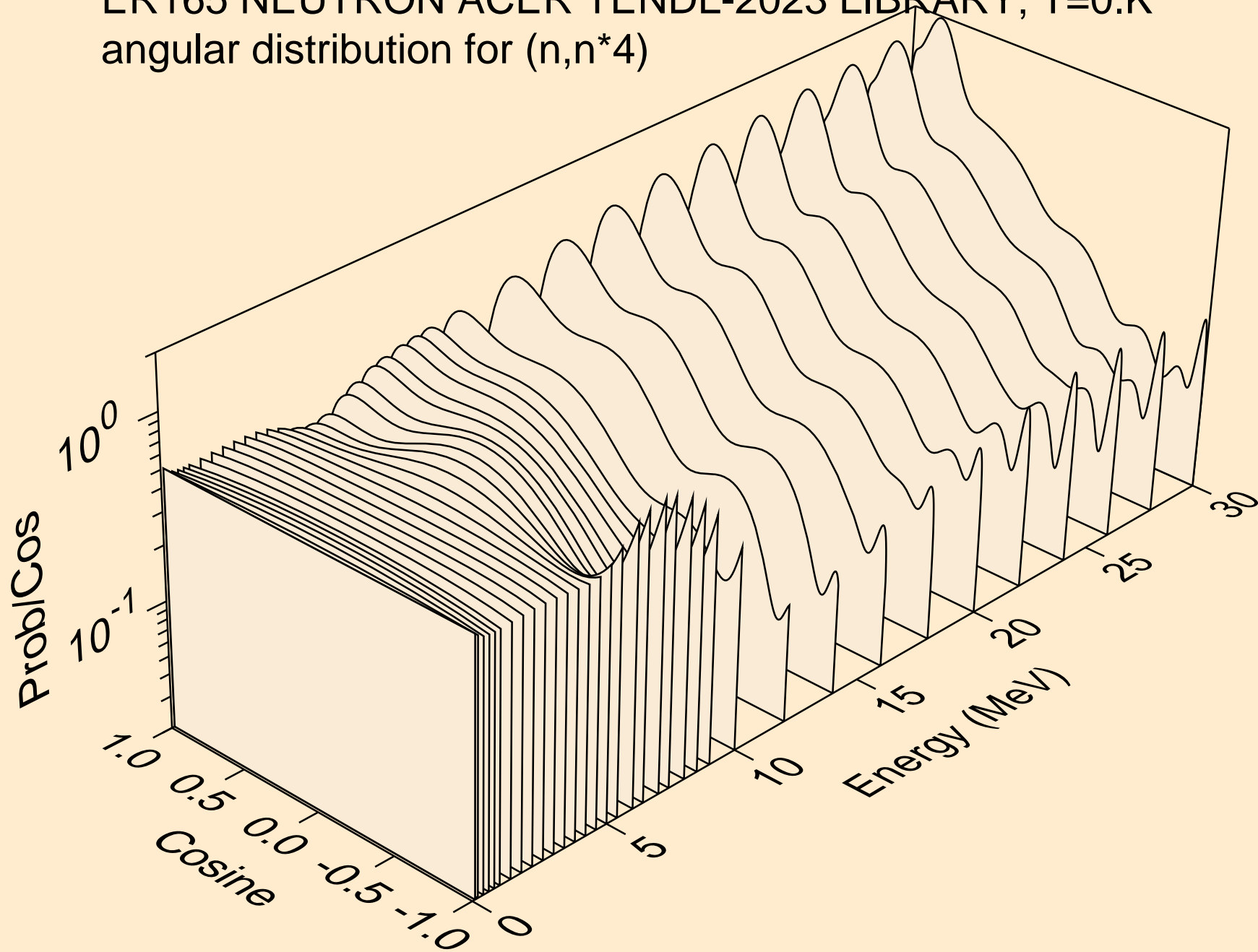




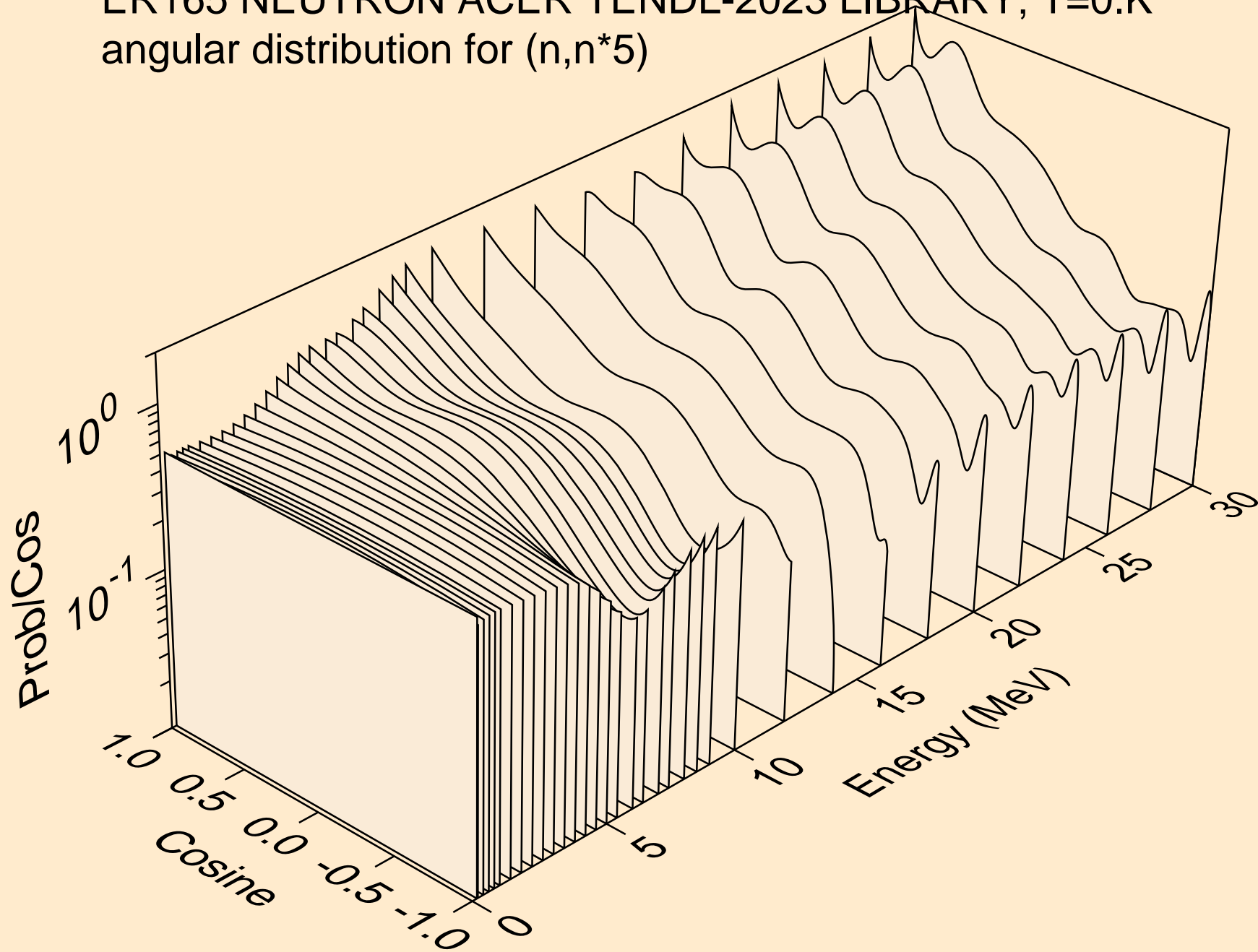
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



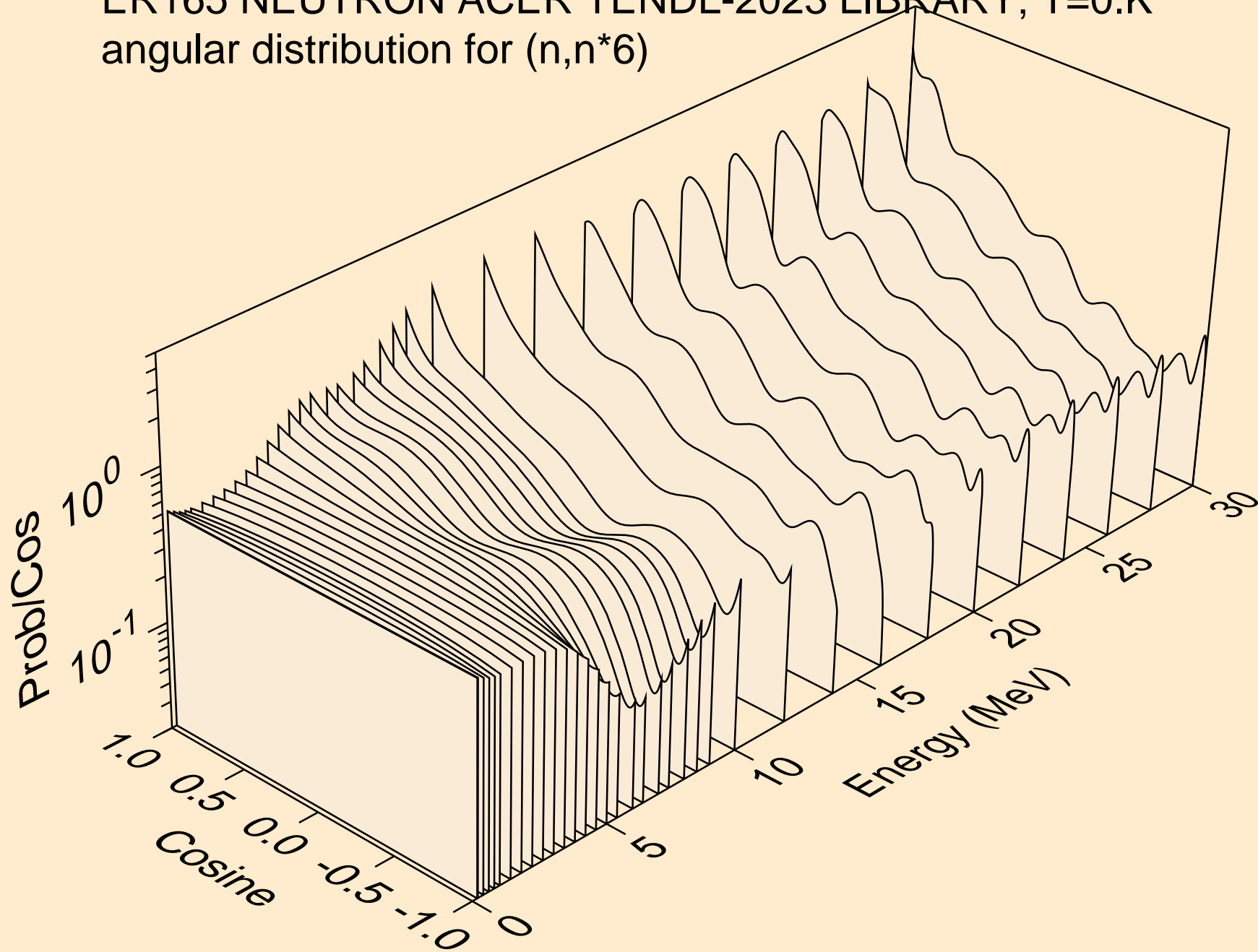
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



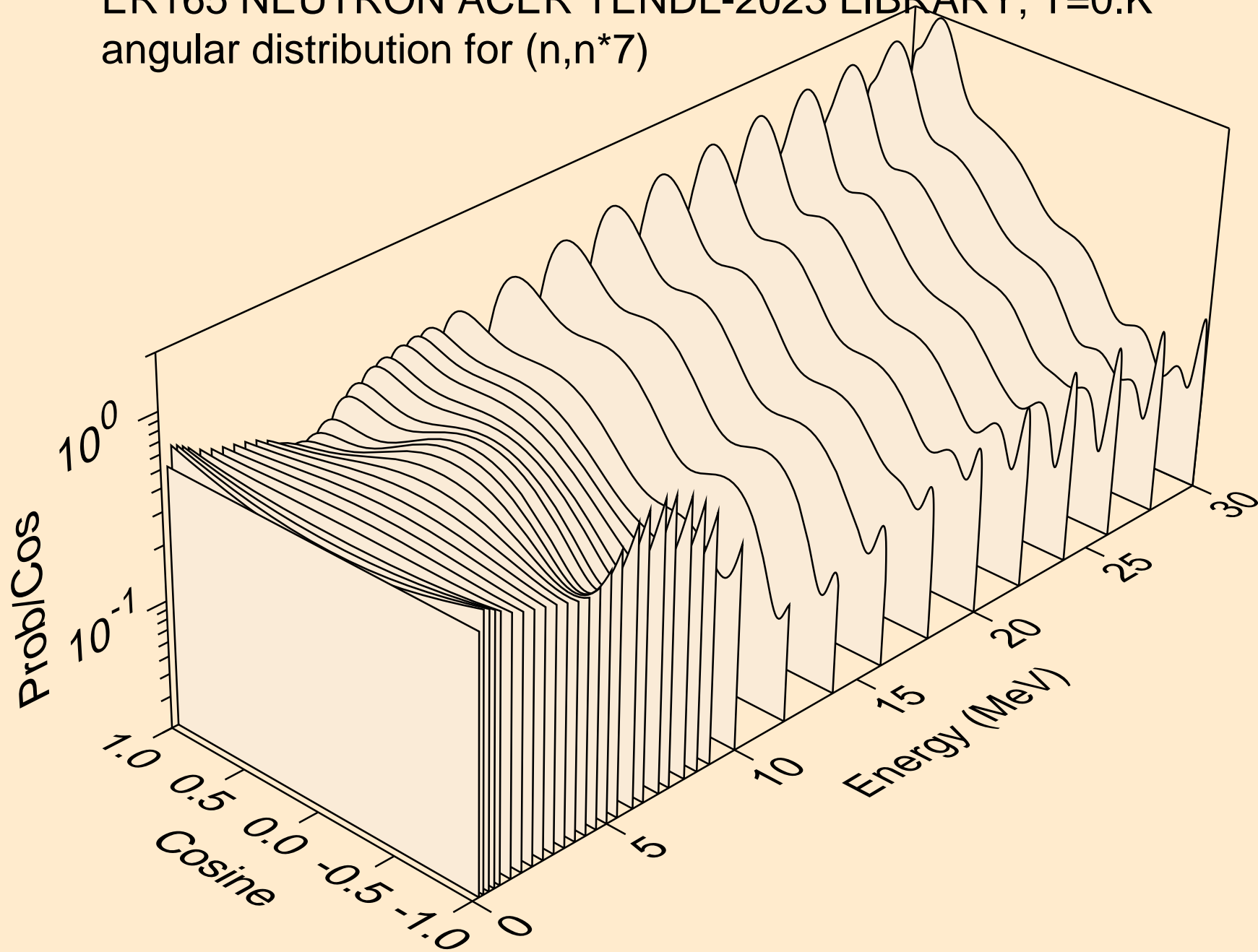
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



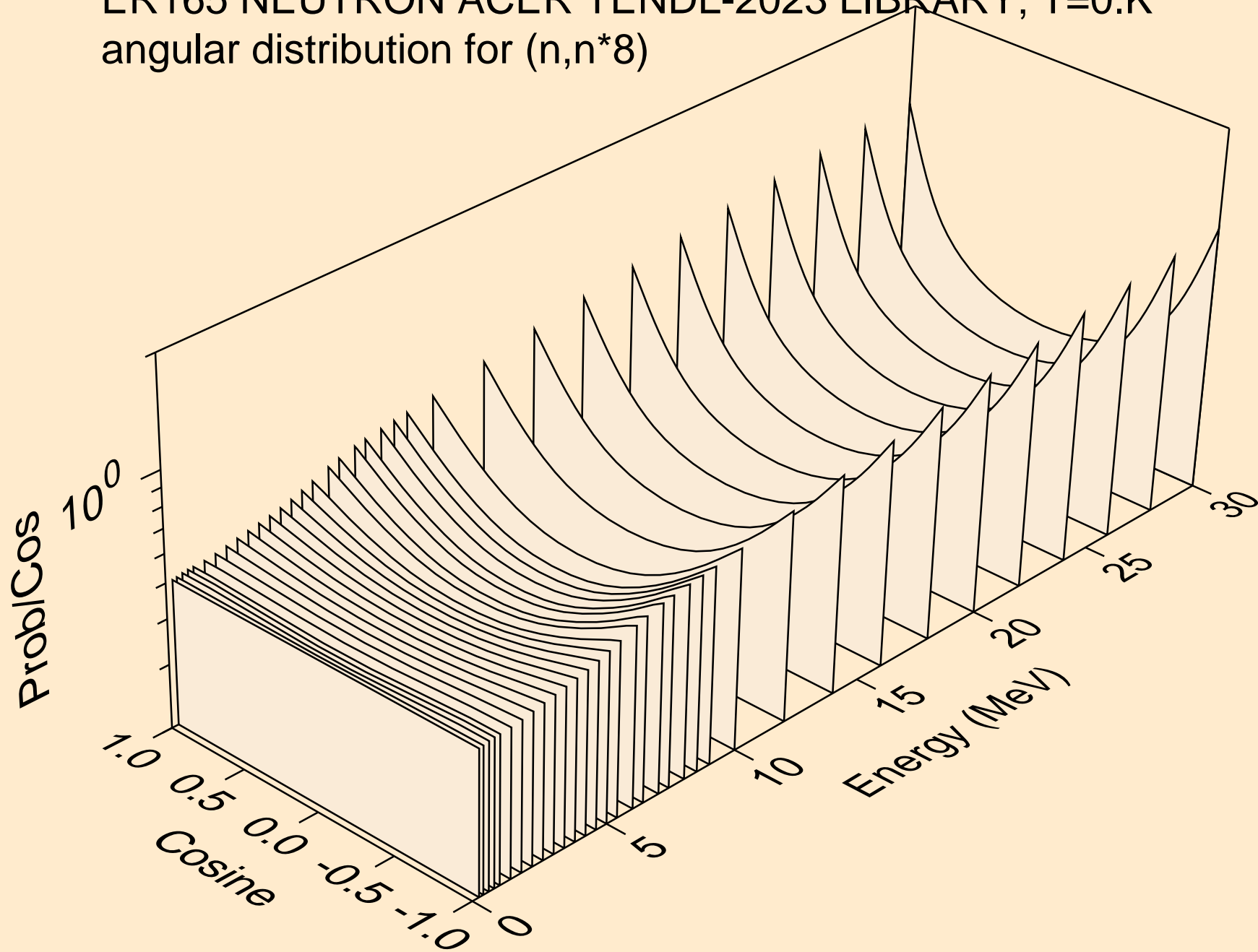
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



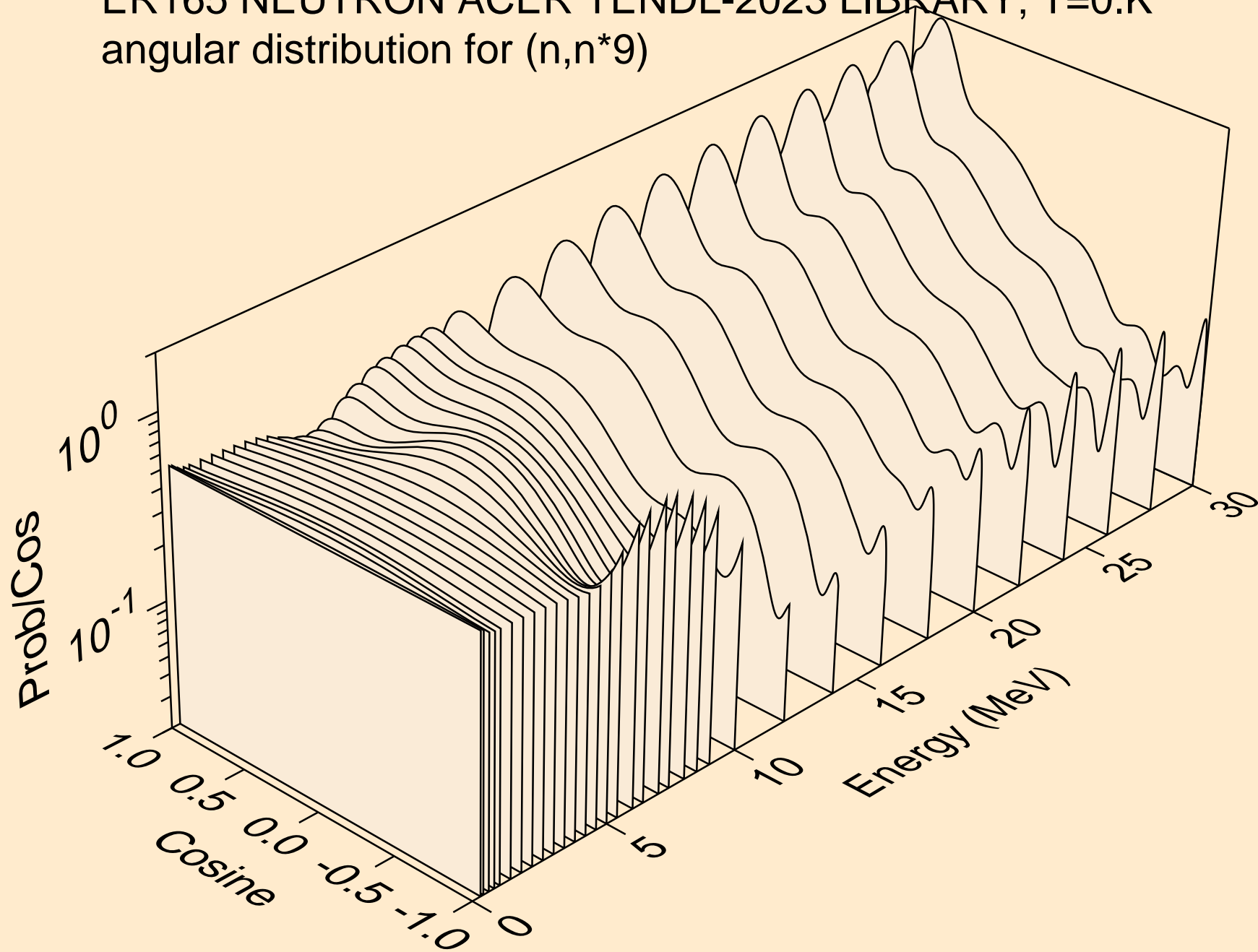
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



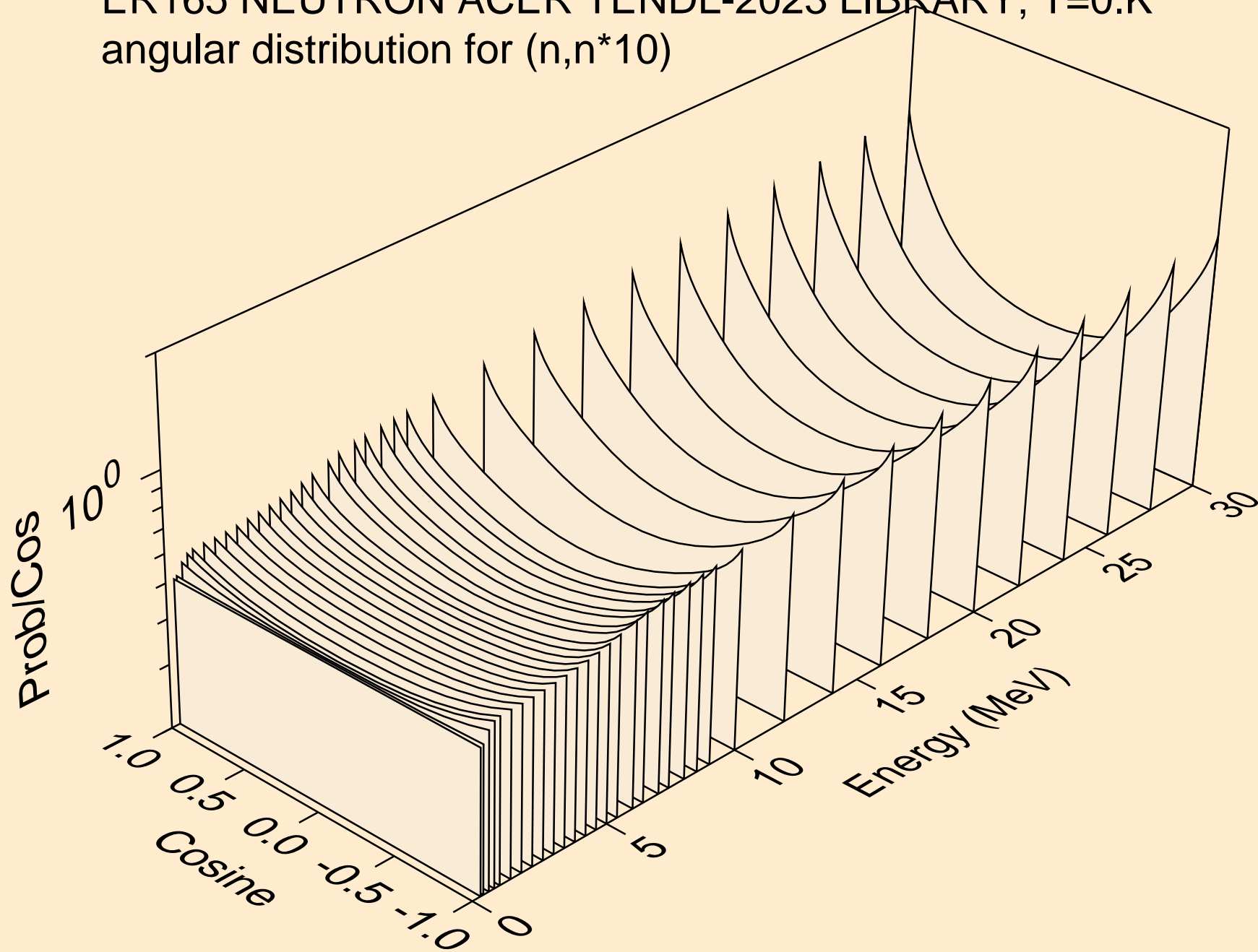
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

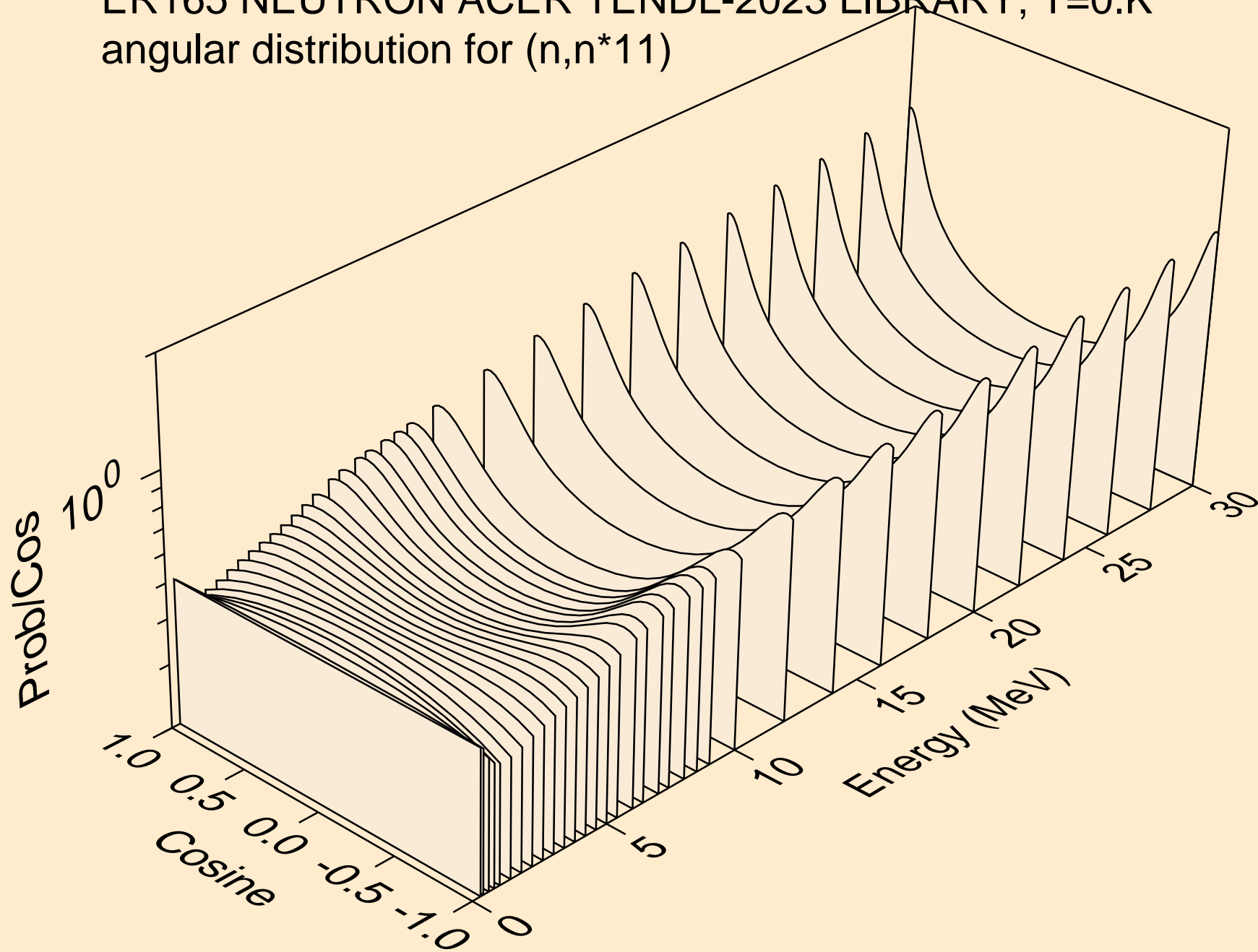


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

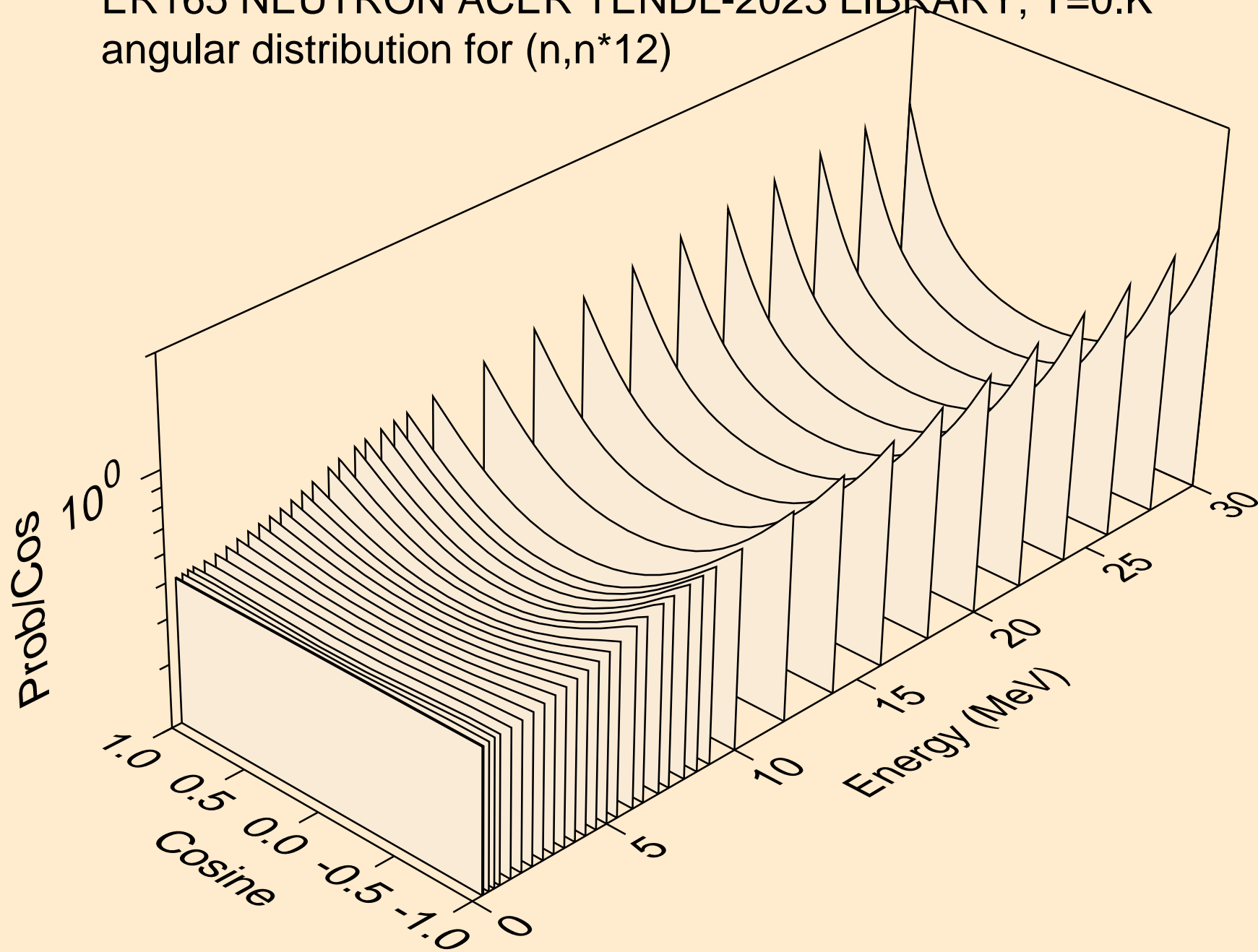




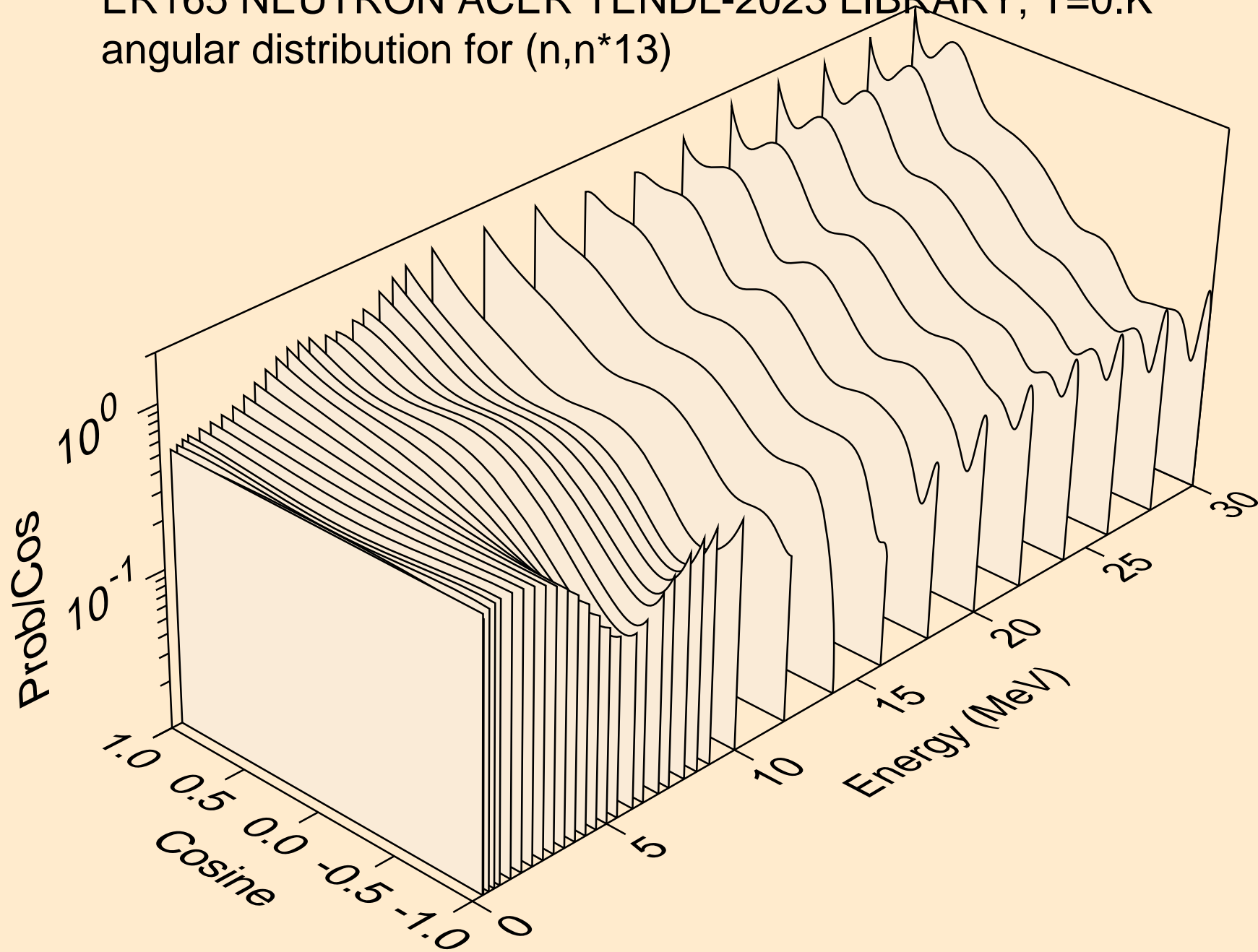
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angular distribution for (n,n\*11)



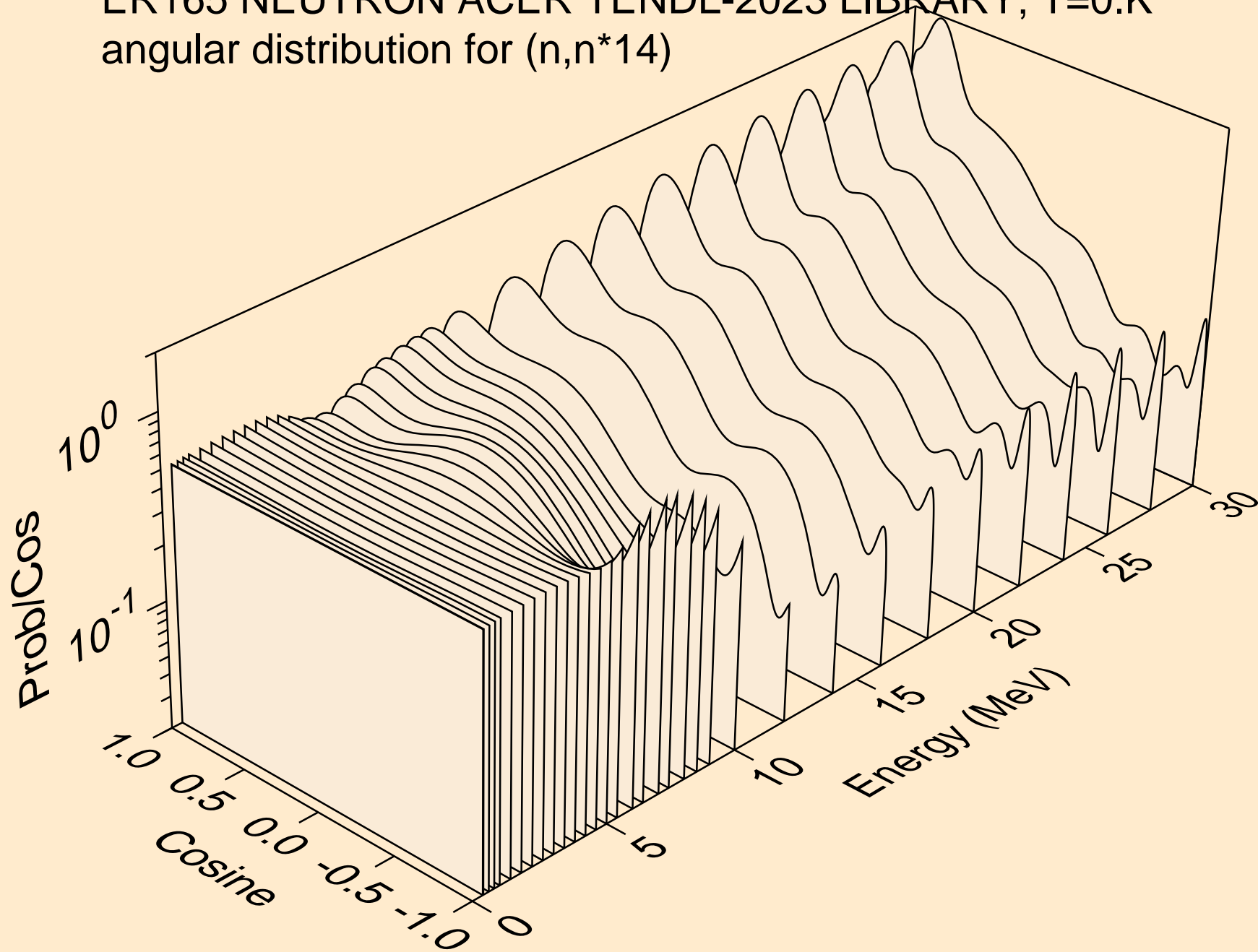
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angular distribution for (n,n\*12)



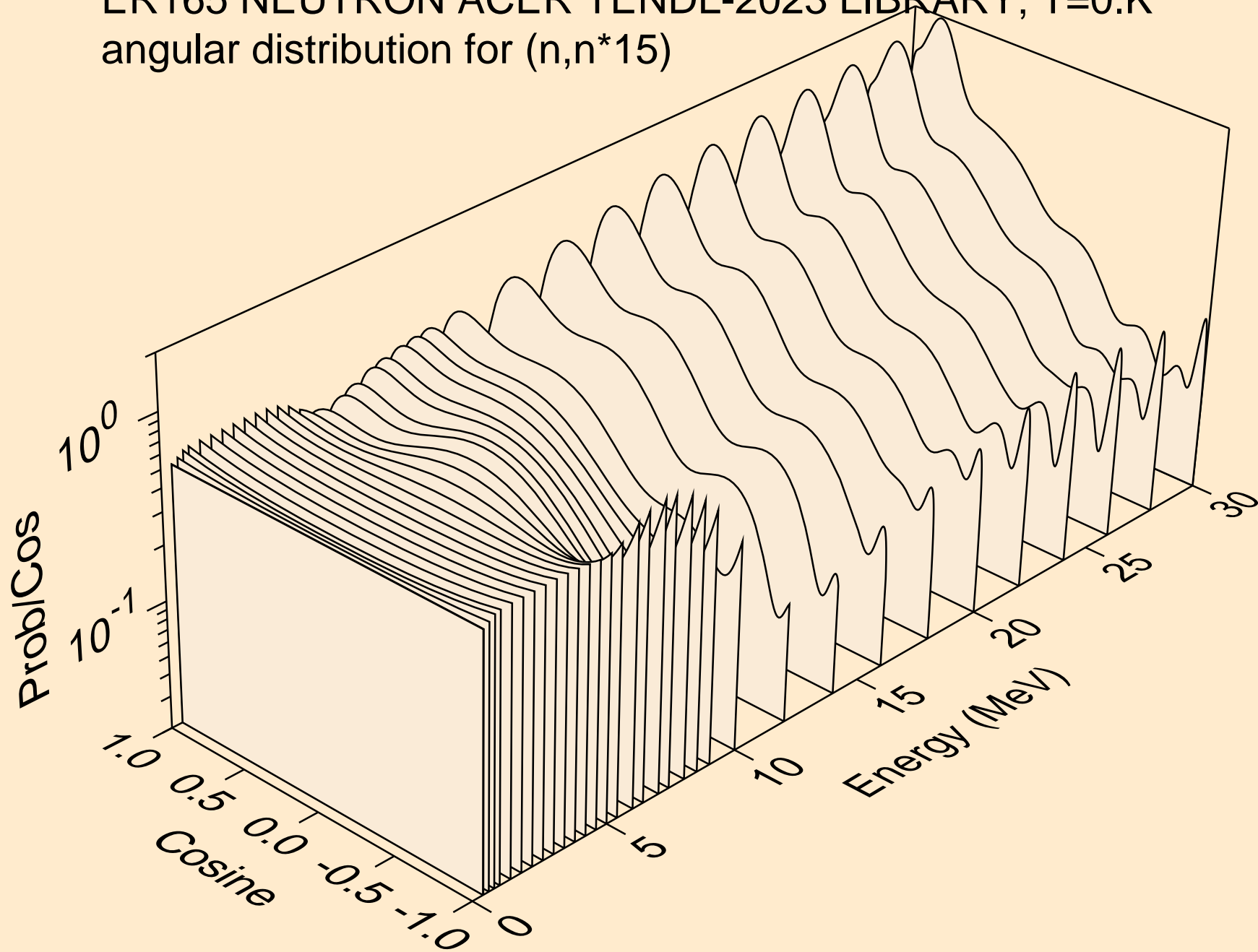
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



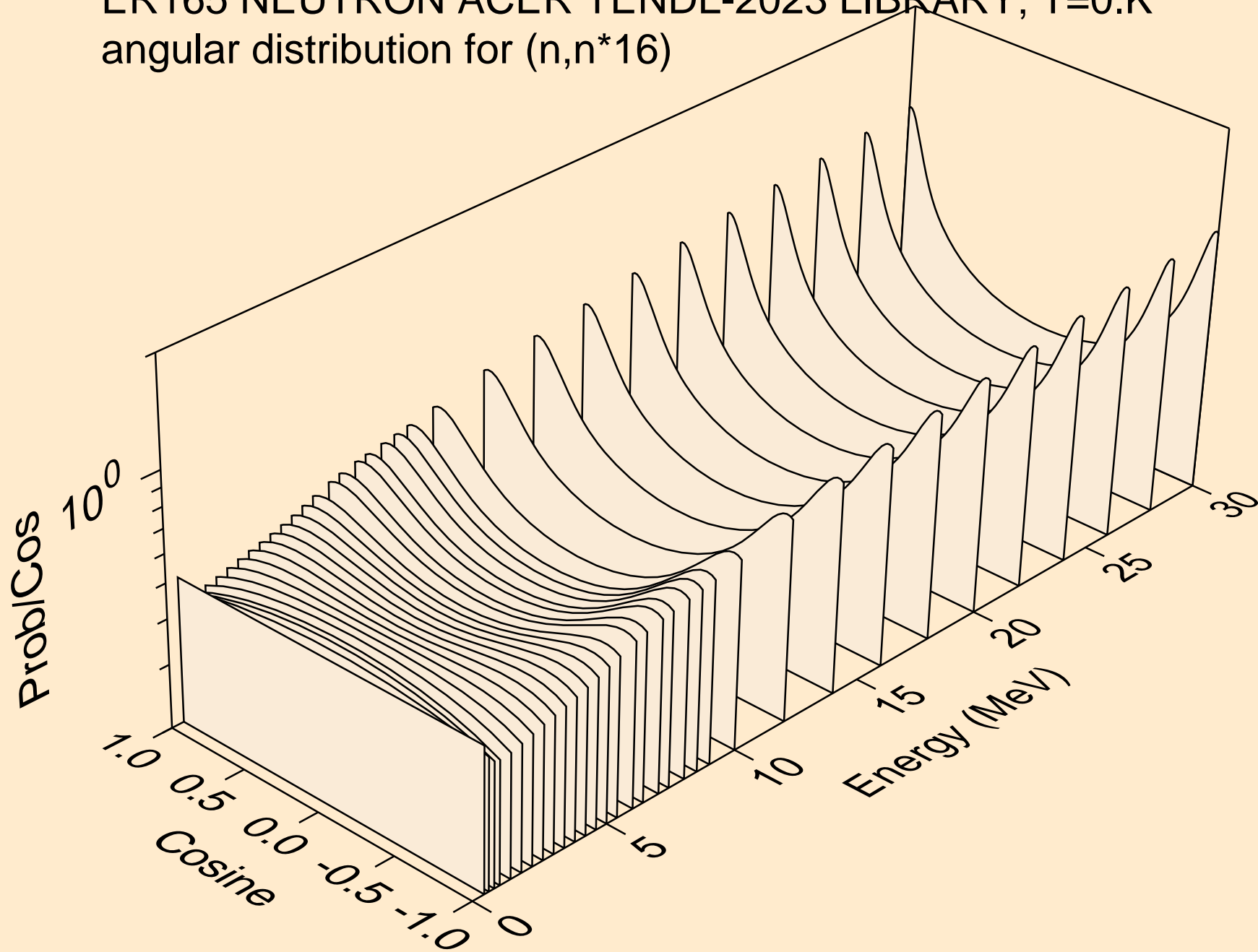
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angular distribution for (n,n\*14)



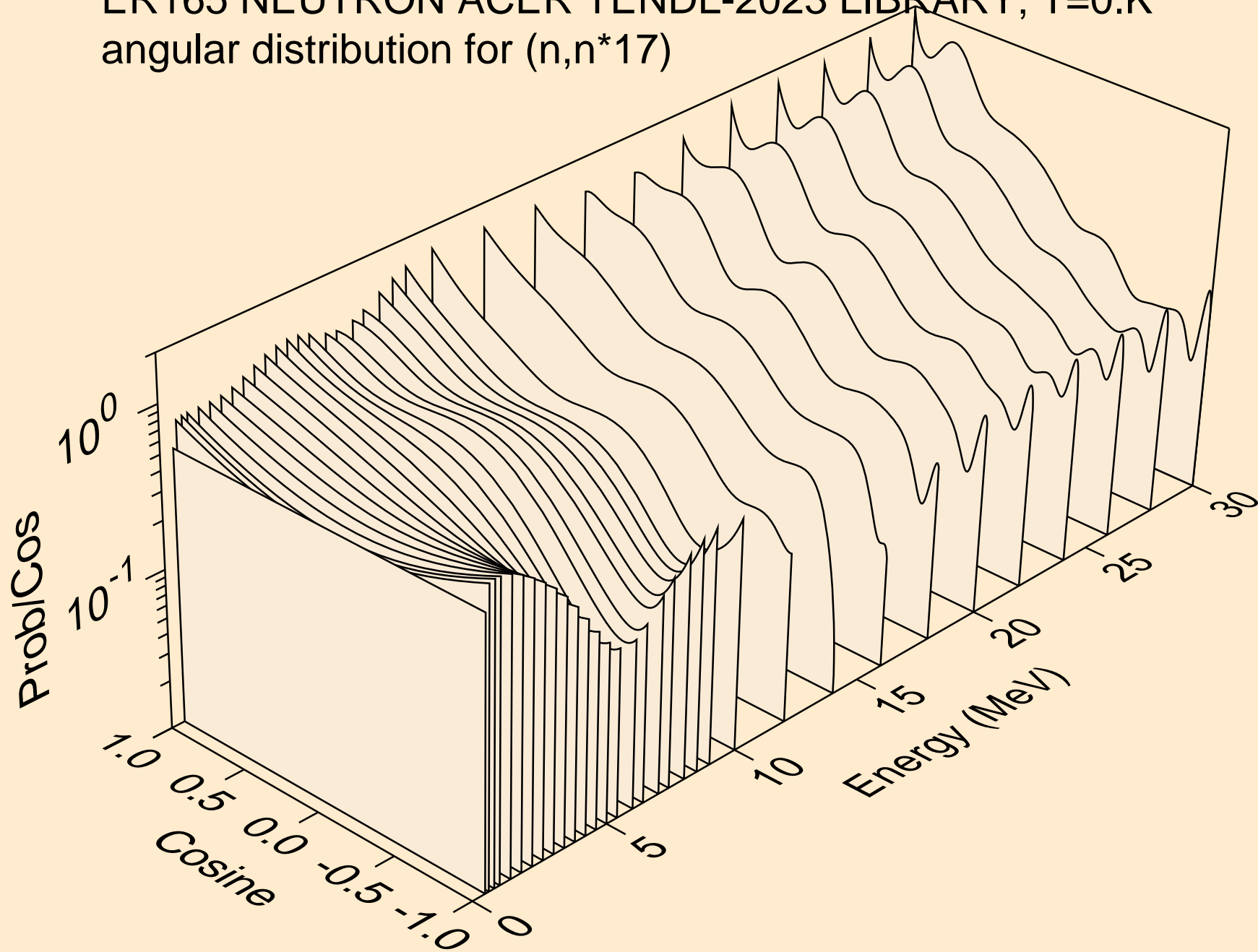
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



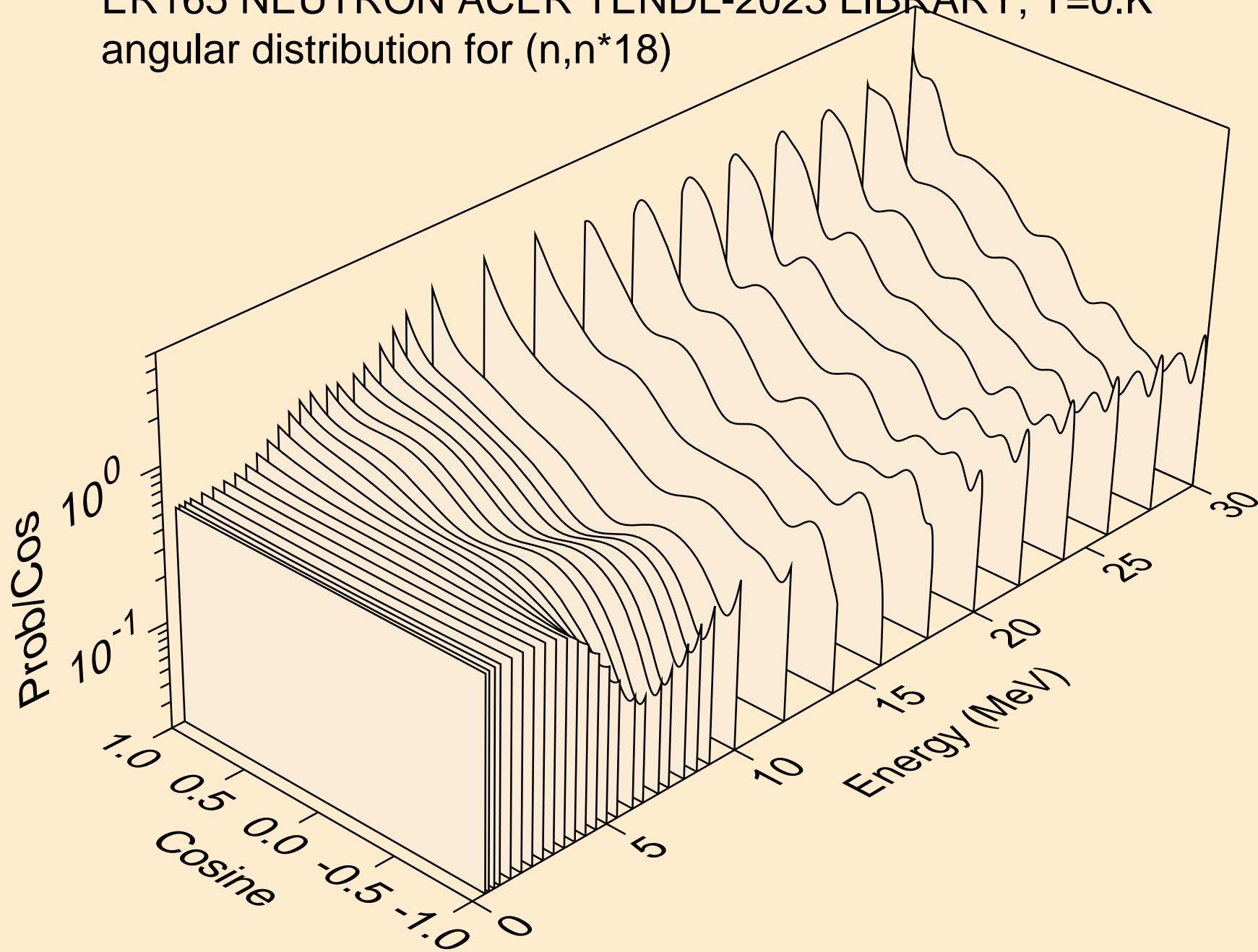
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

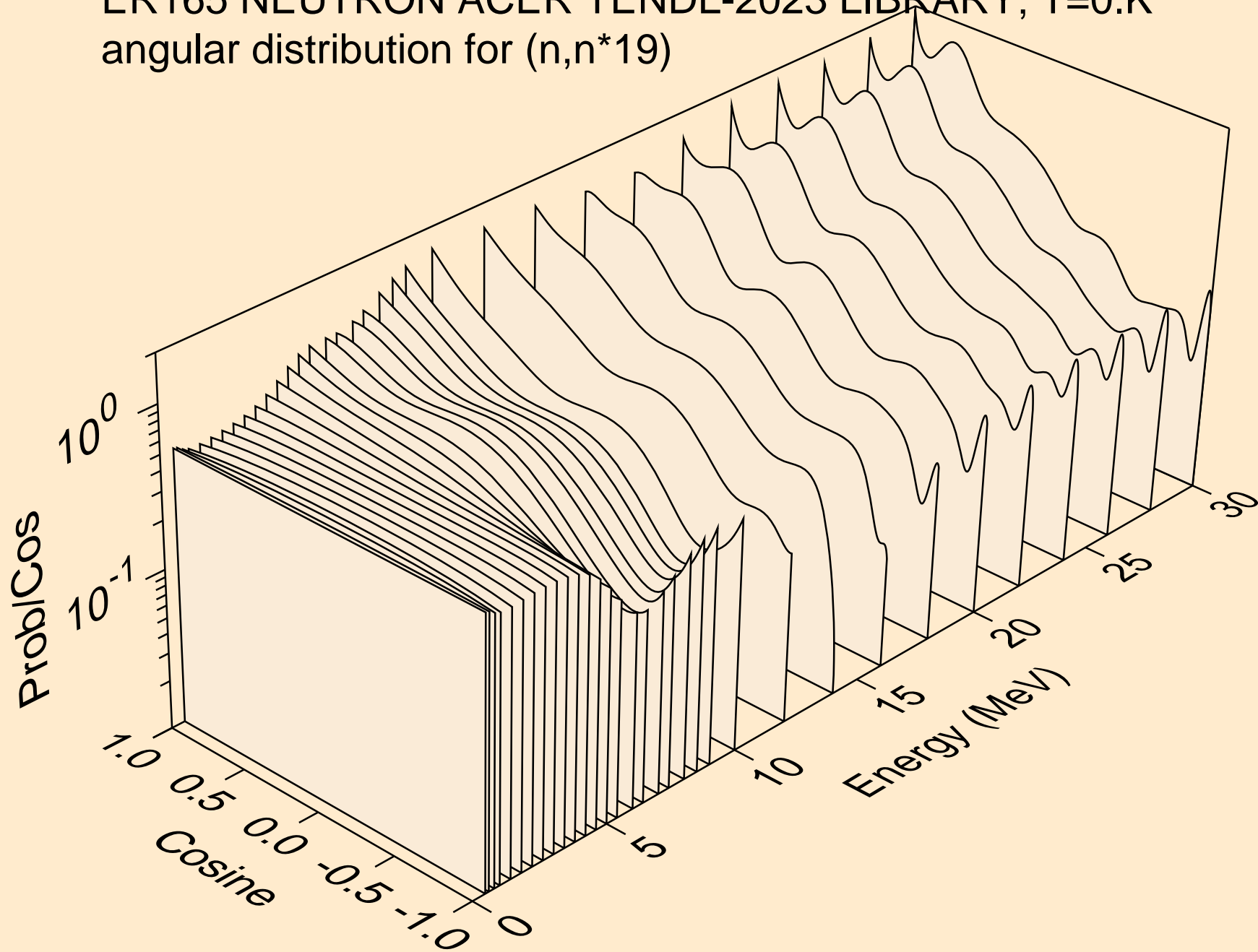


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

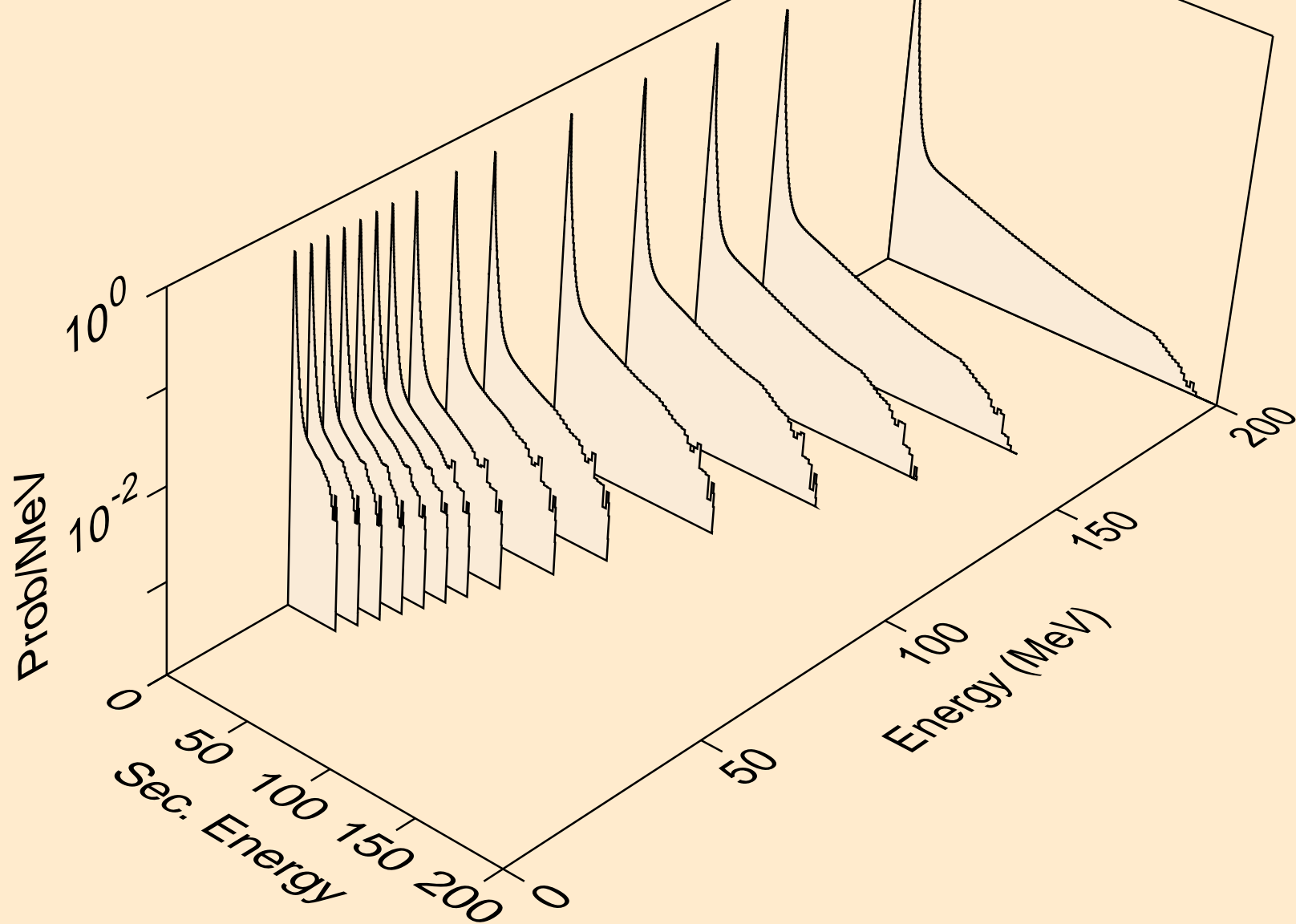




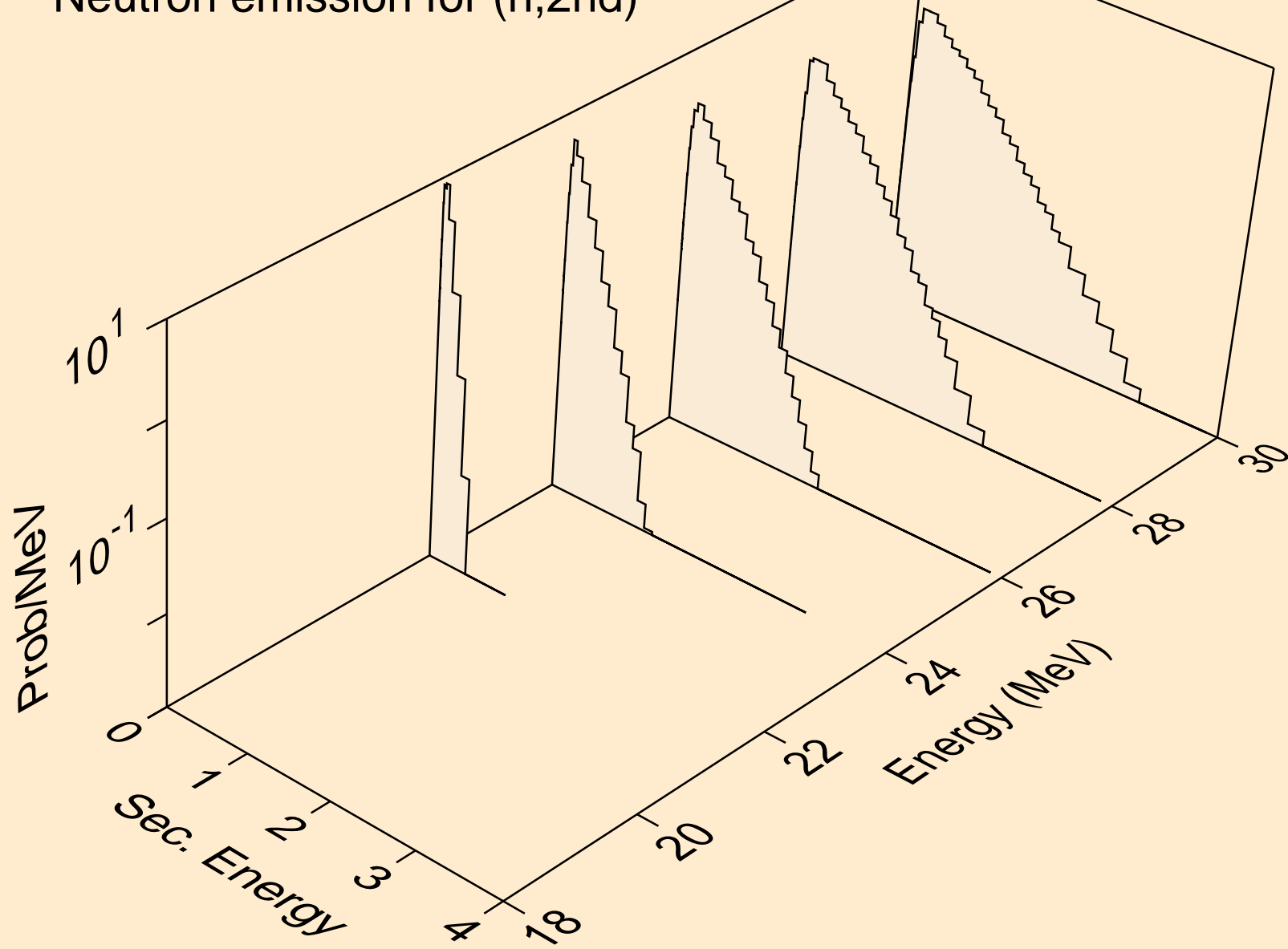
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angular distribution for (n,n\*19)



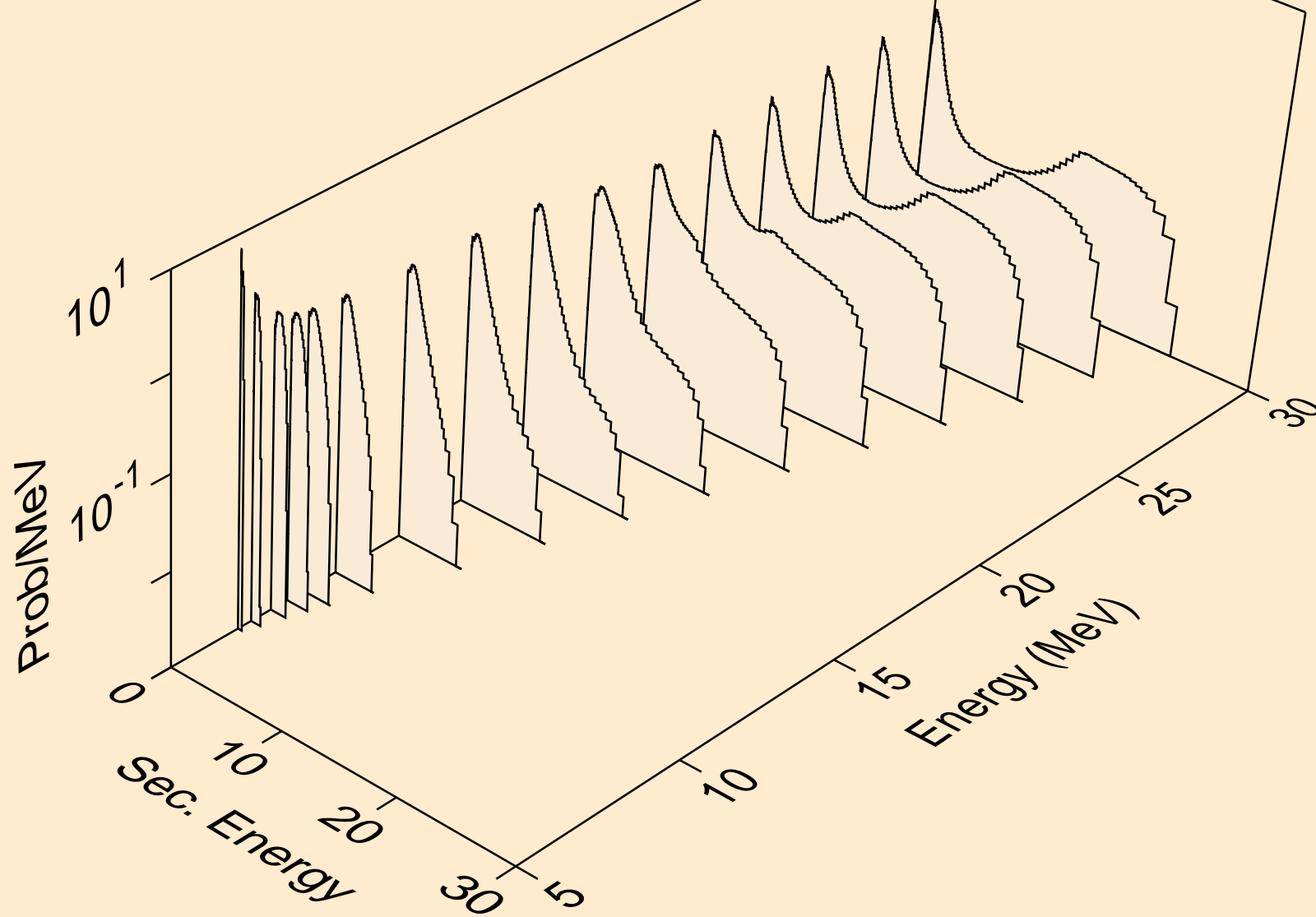
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



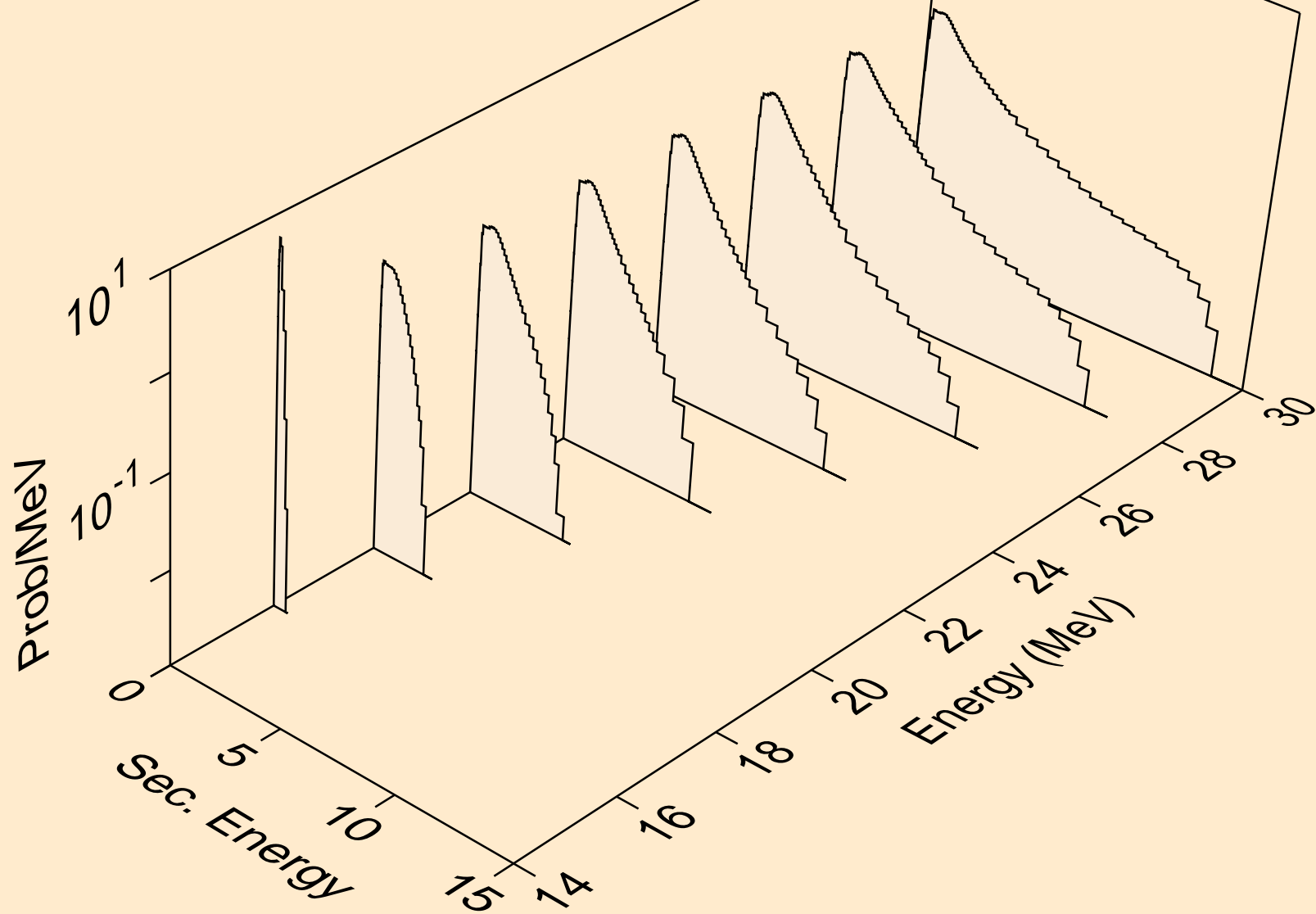
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



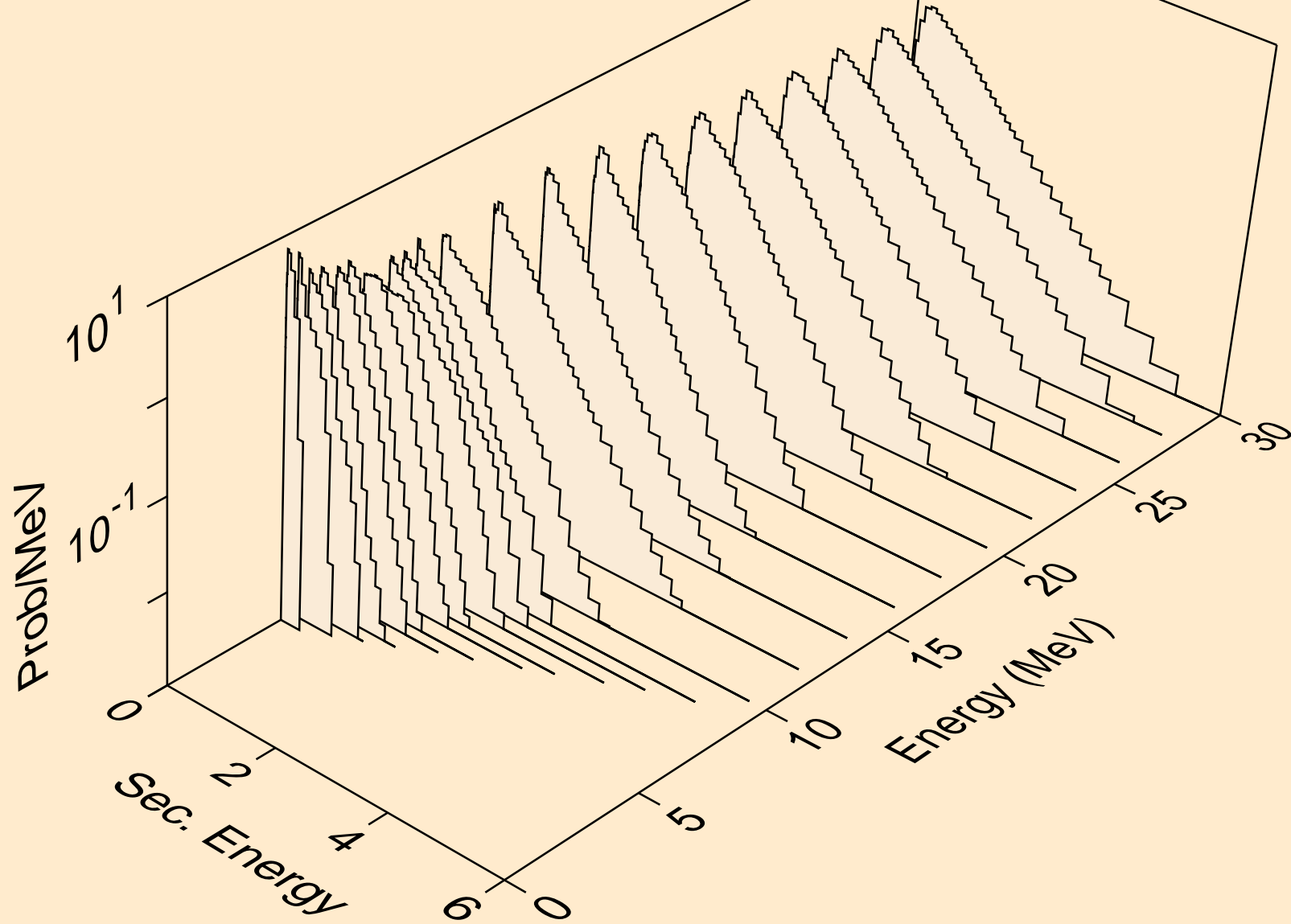
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



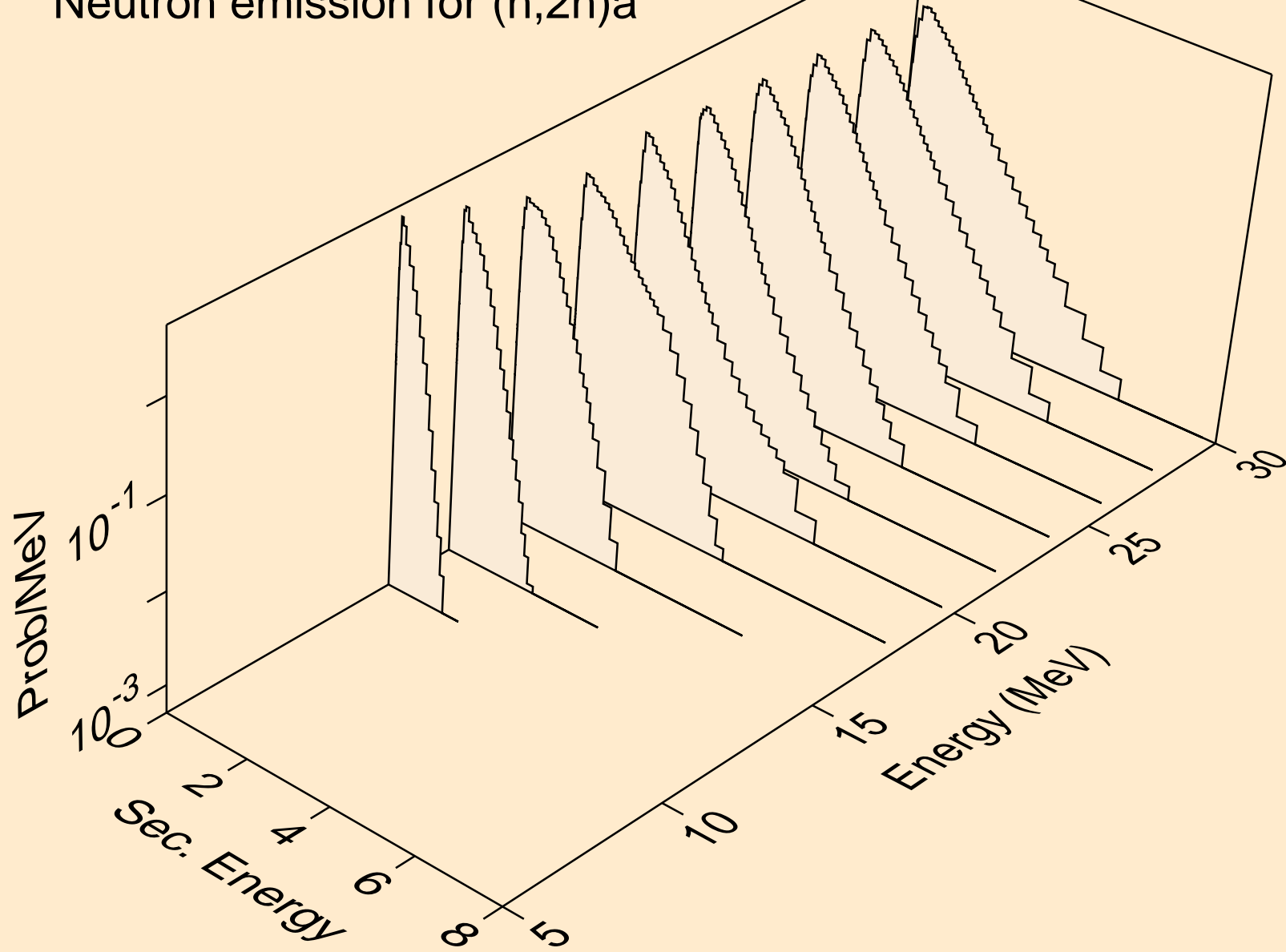
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



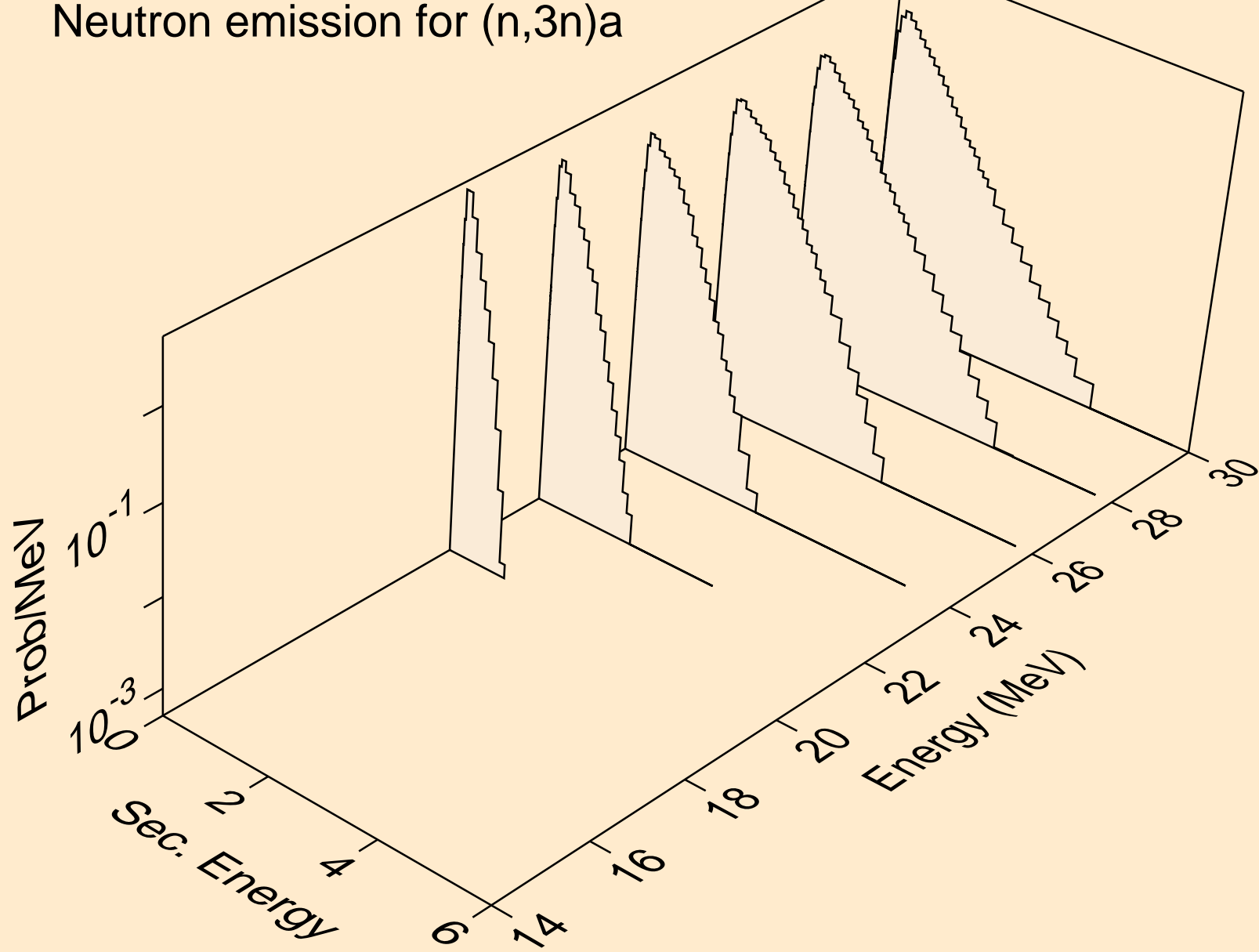
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

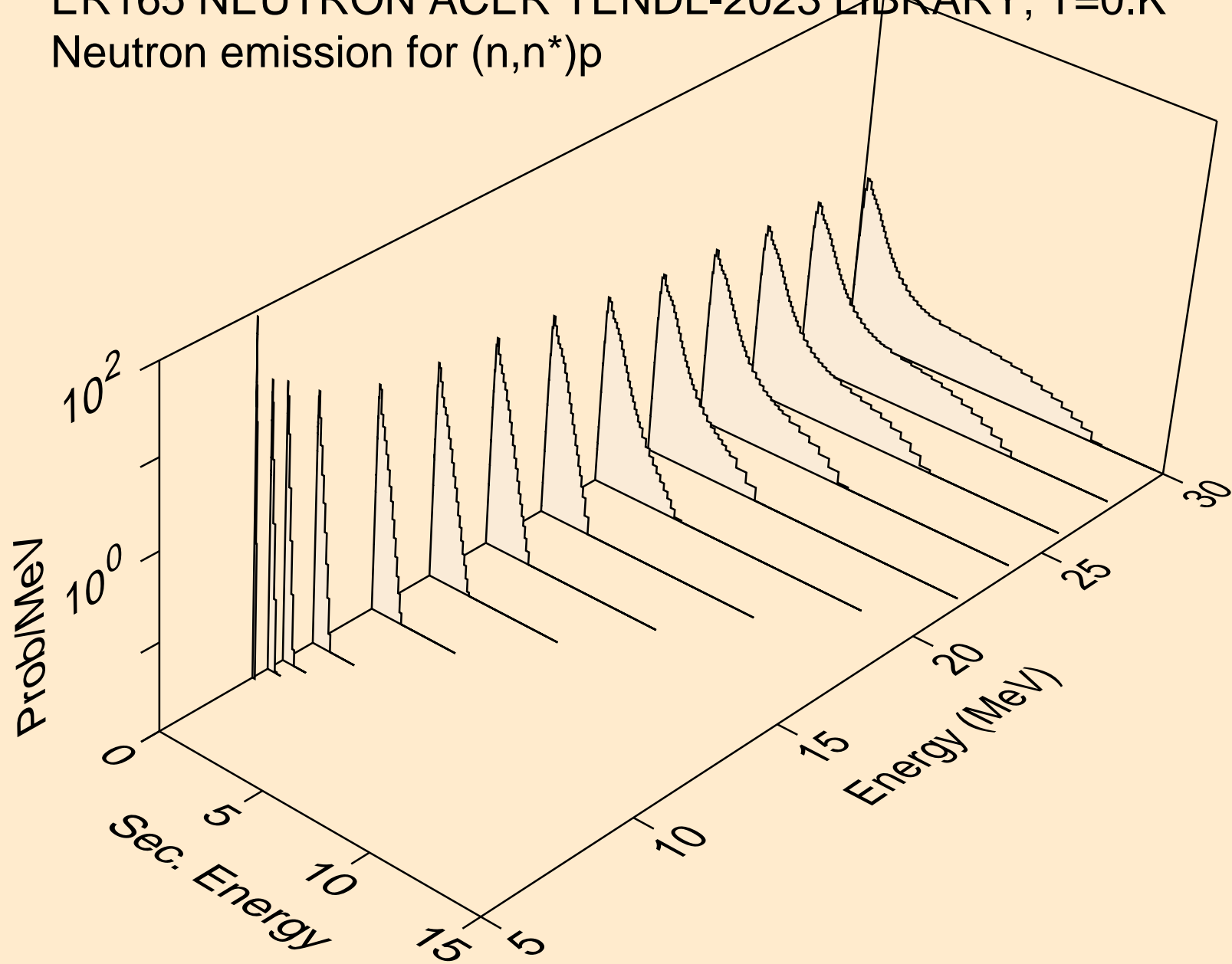


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

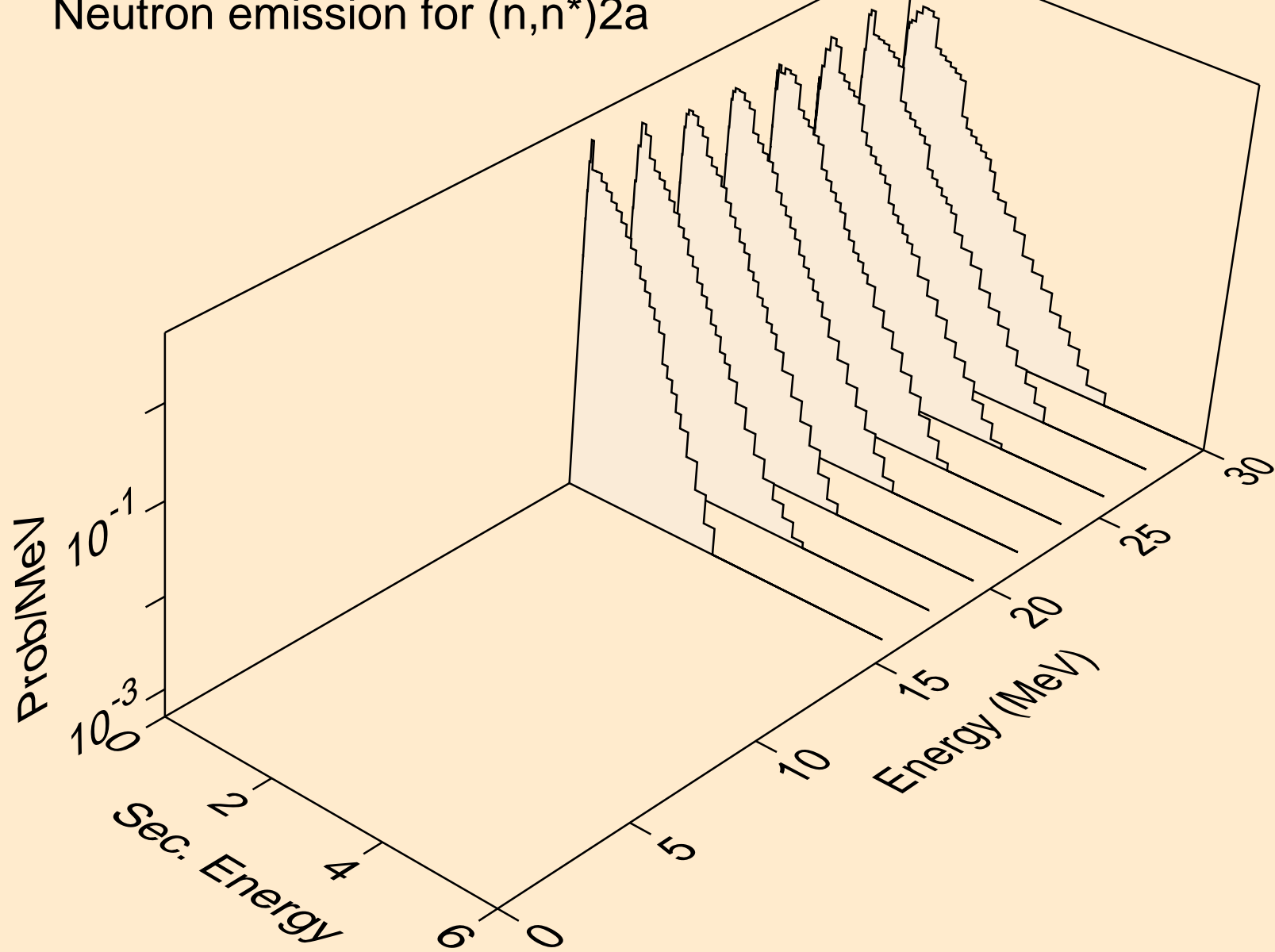




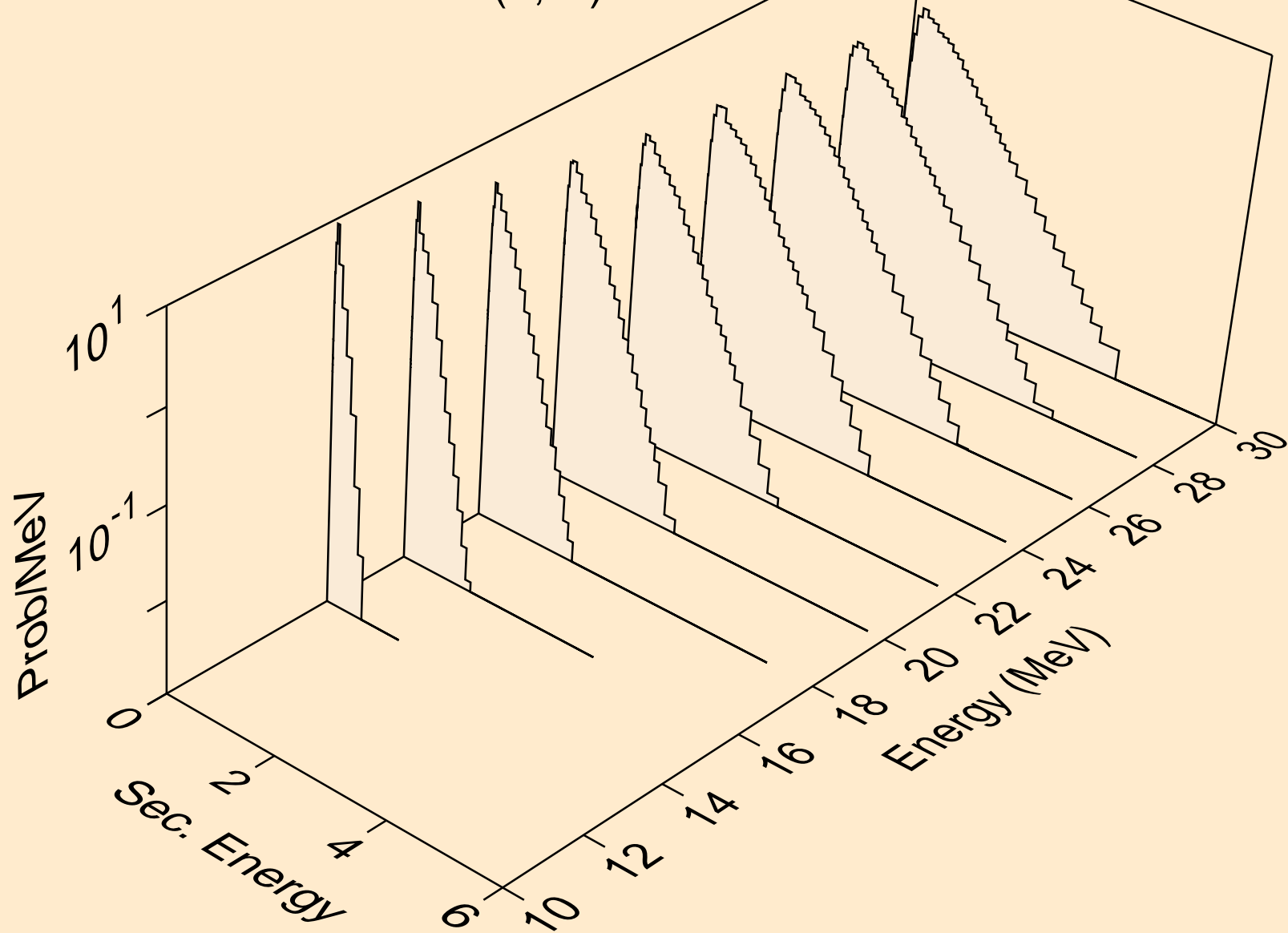
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



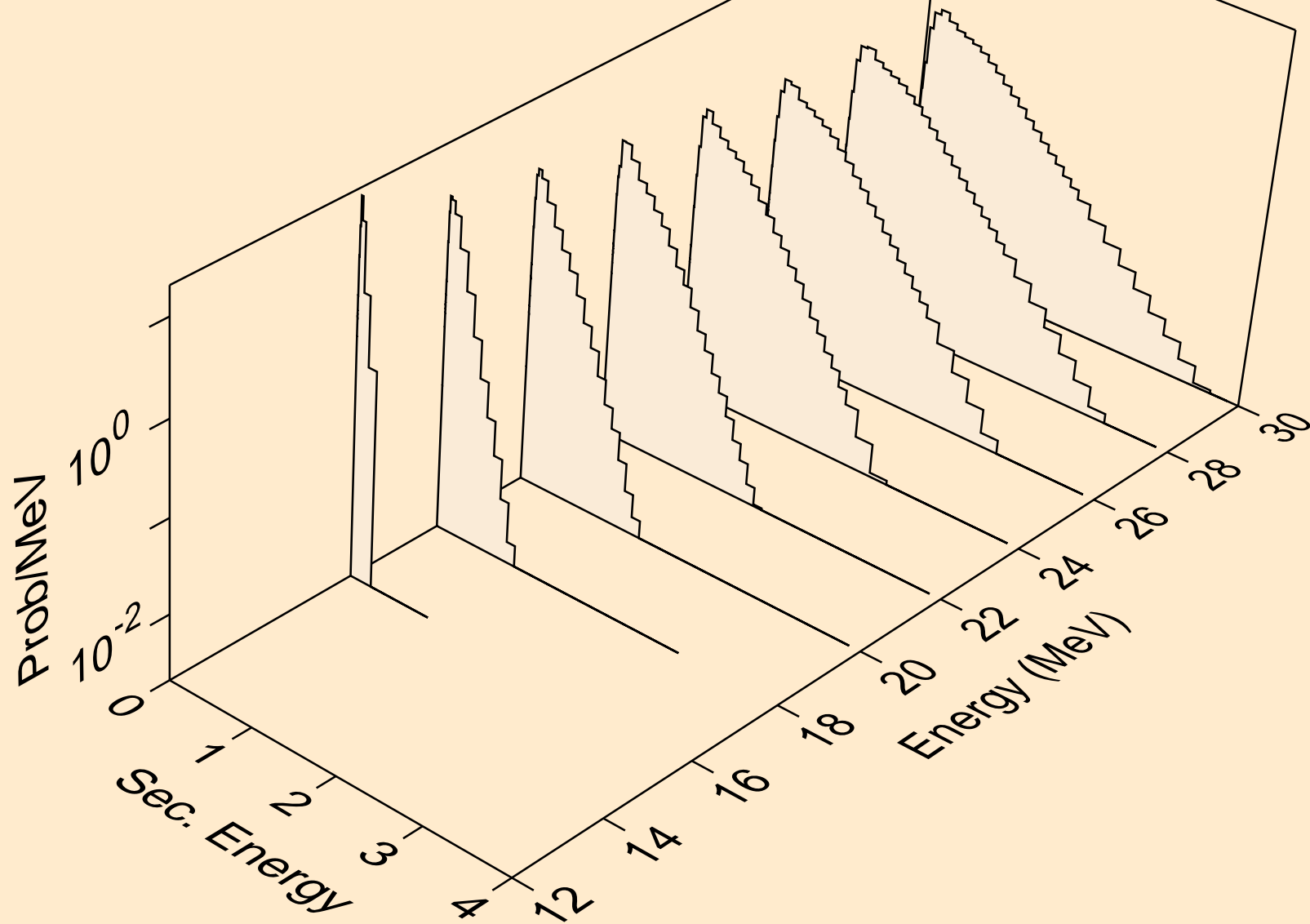
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



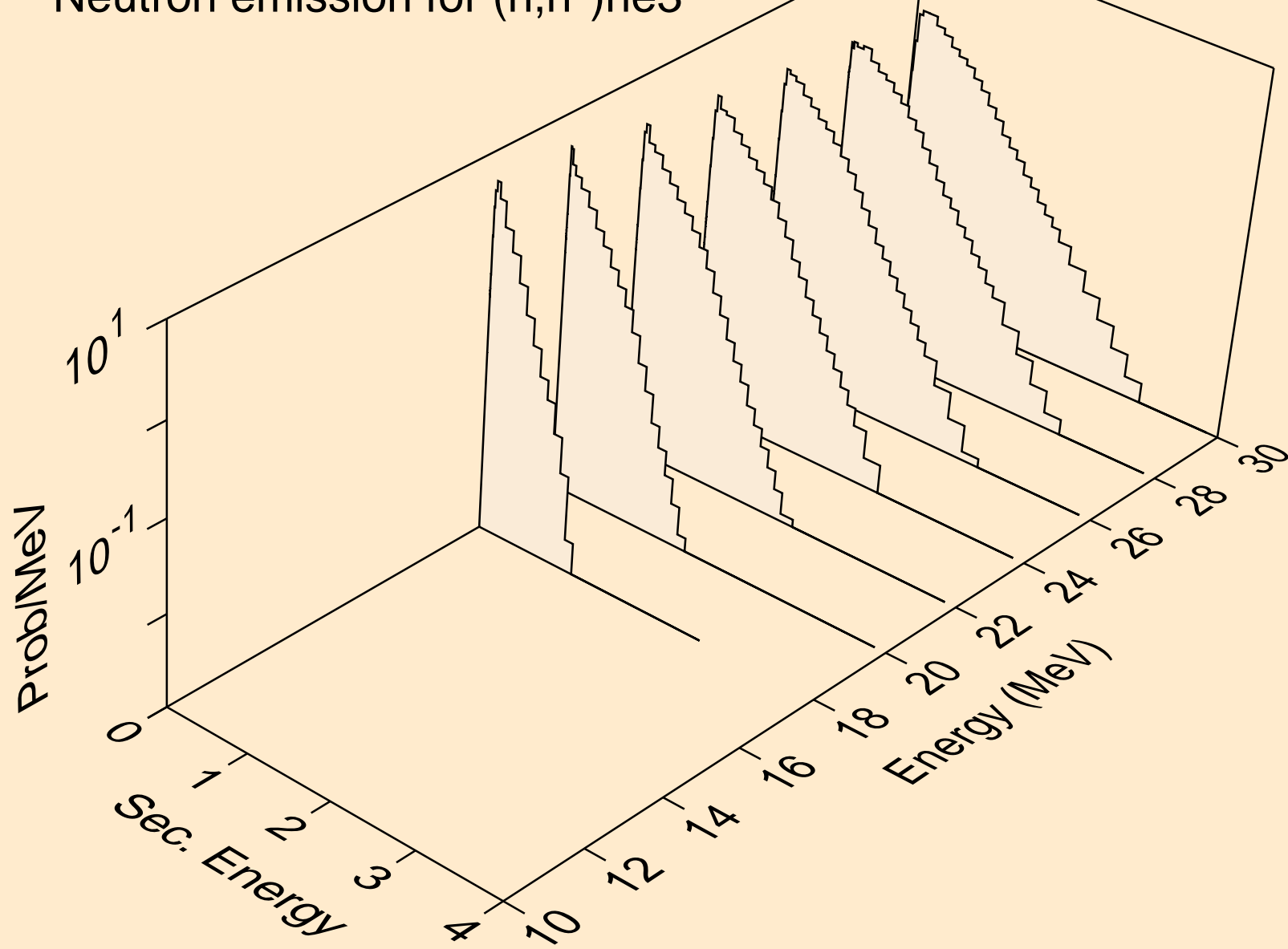
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



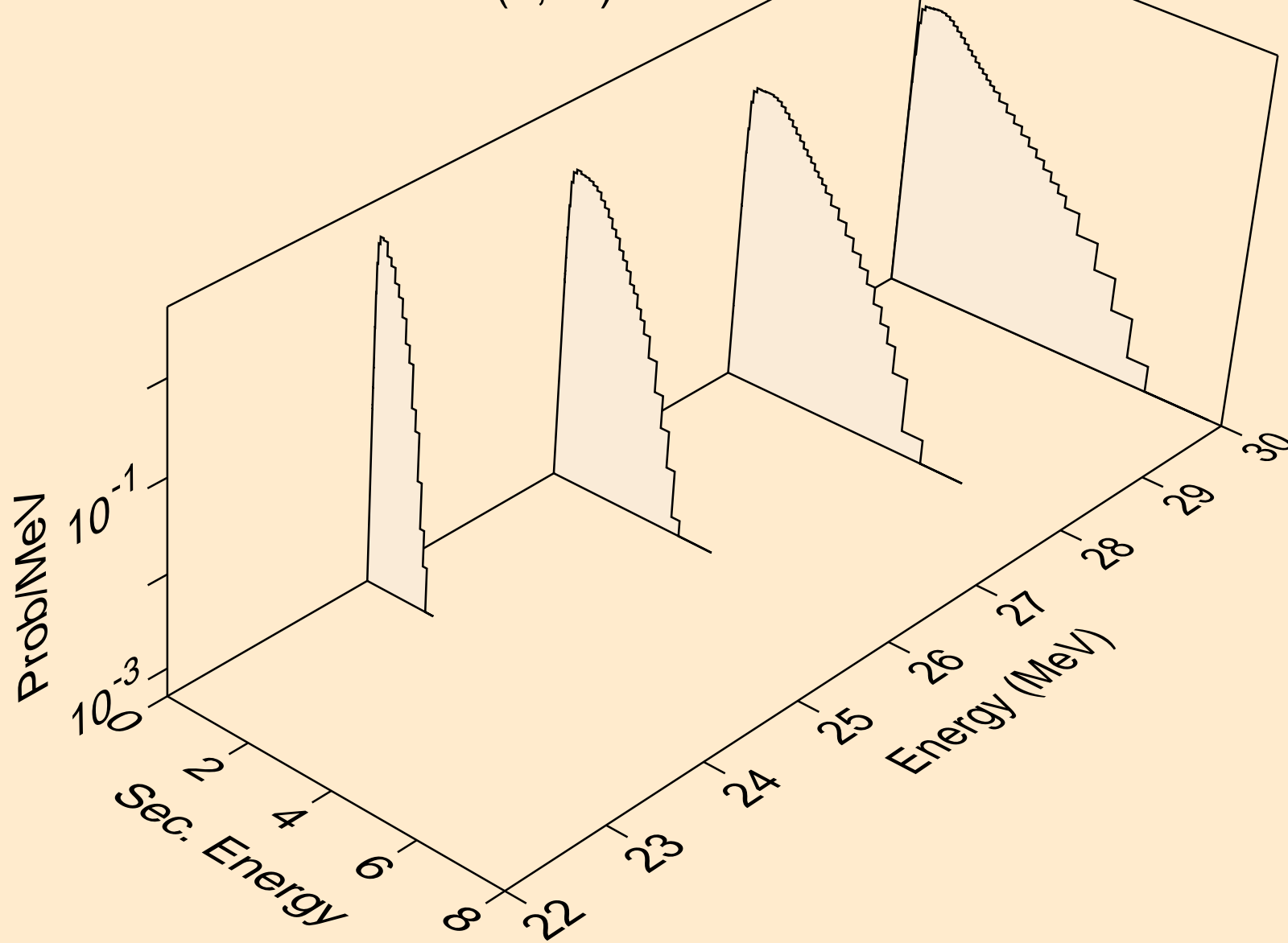
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



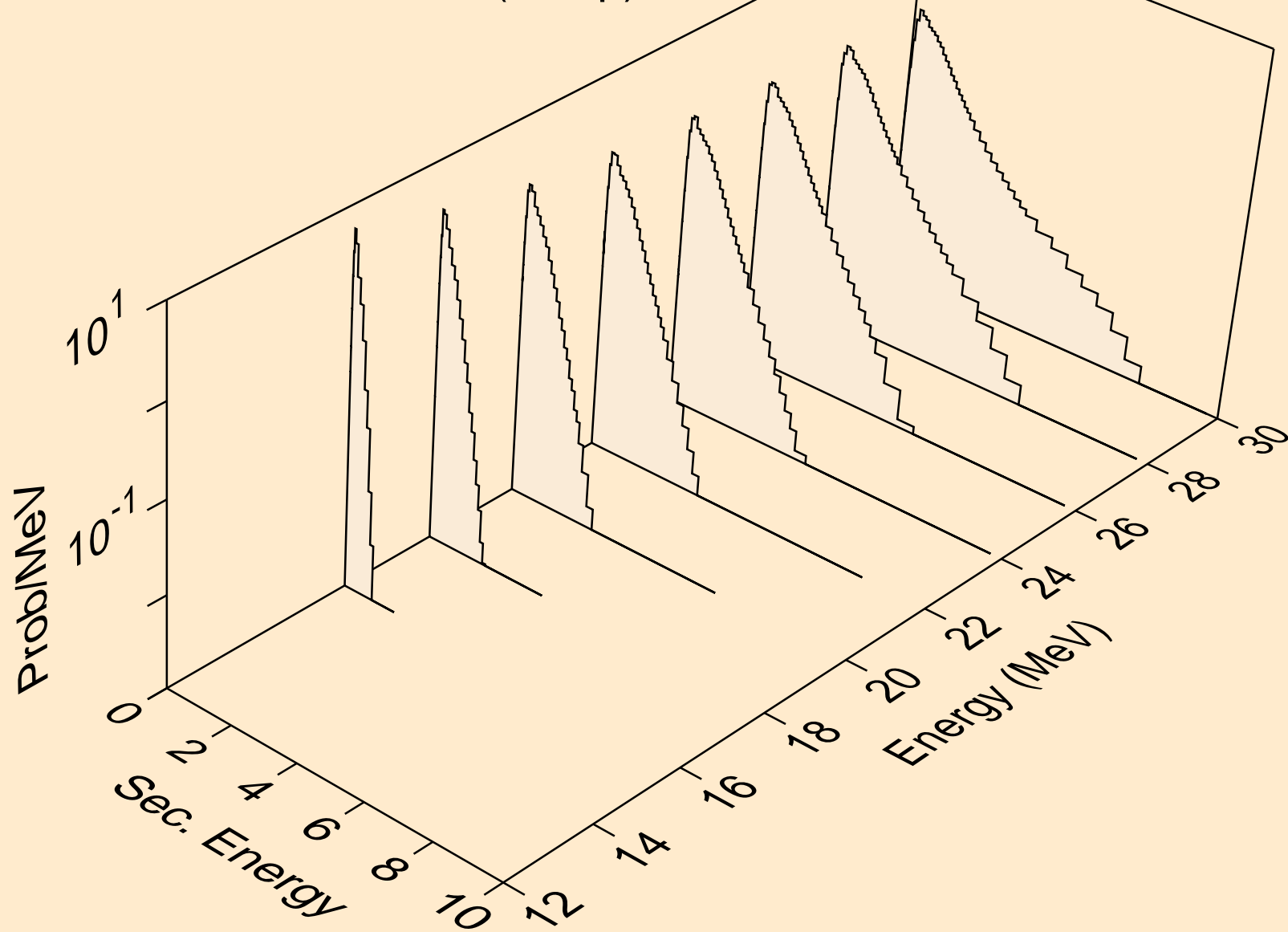
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



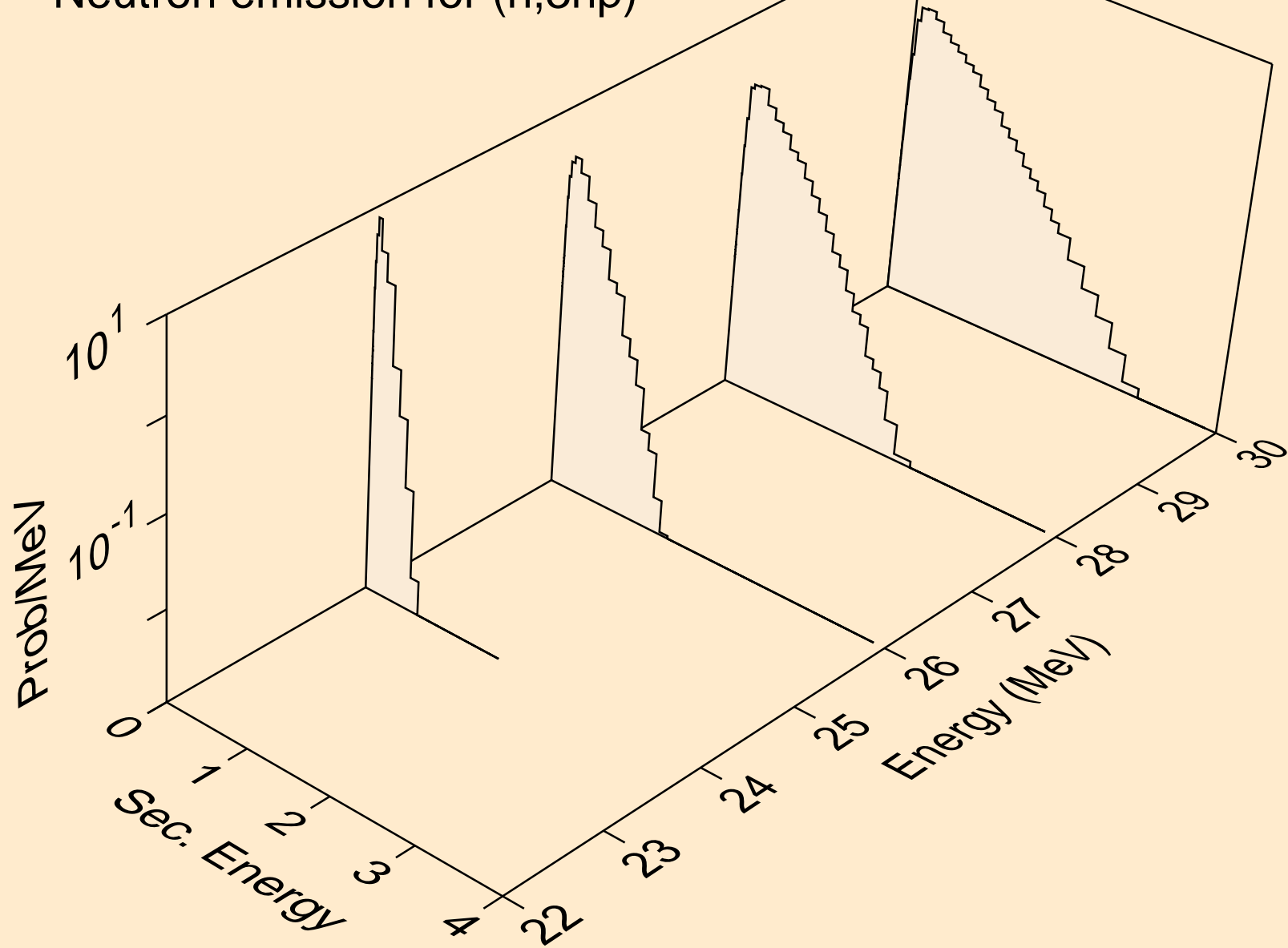
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

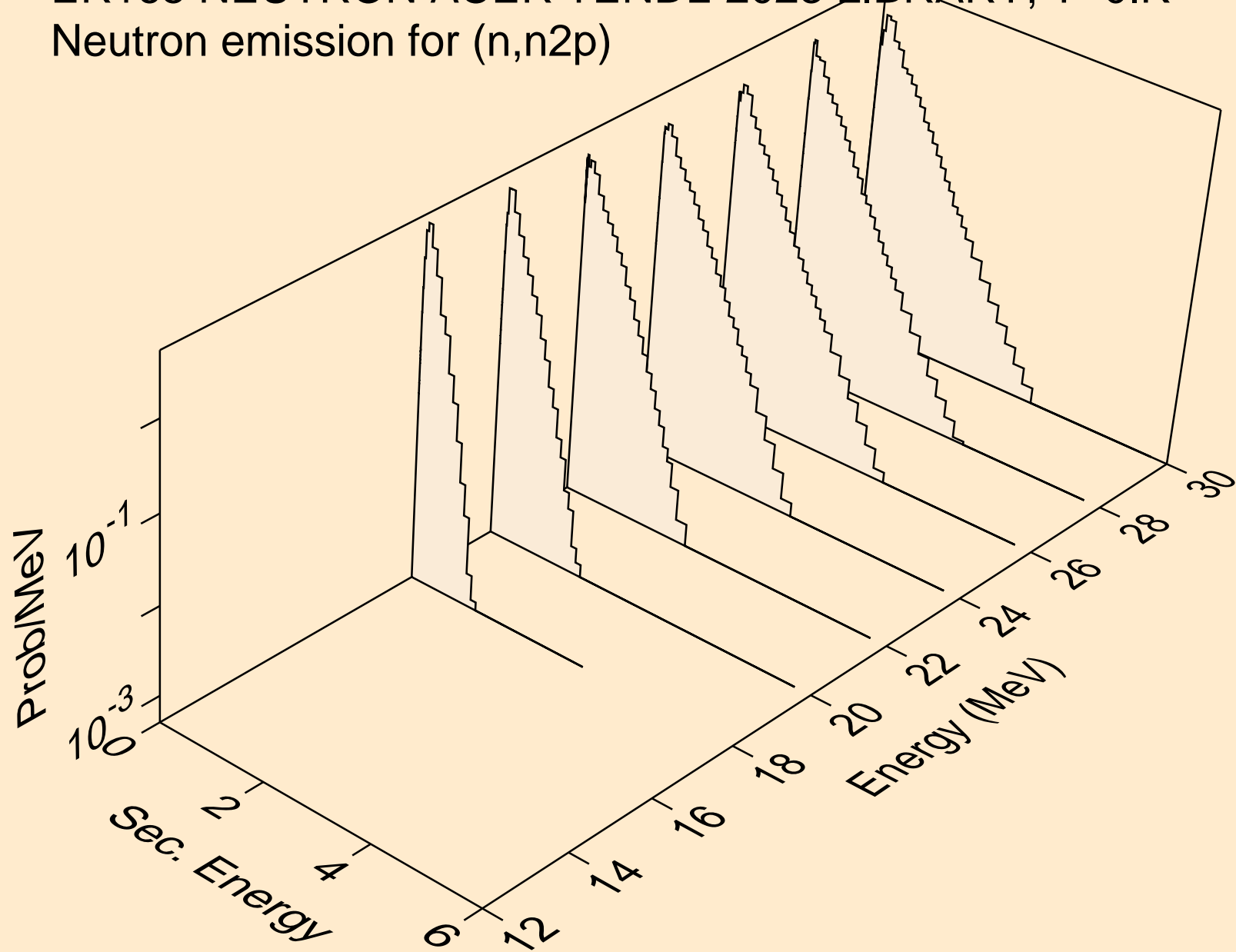


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)

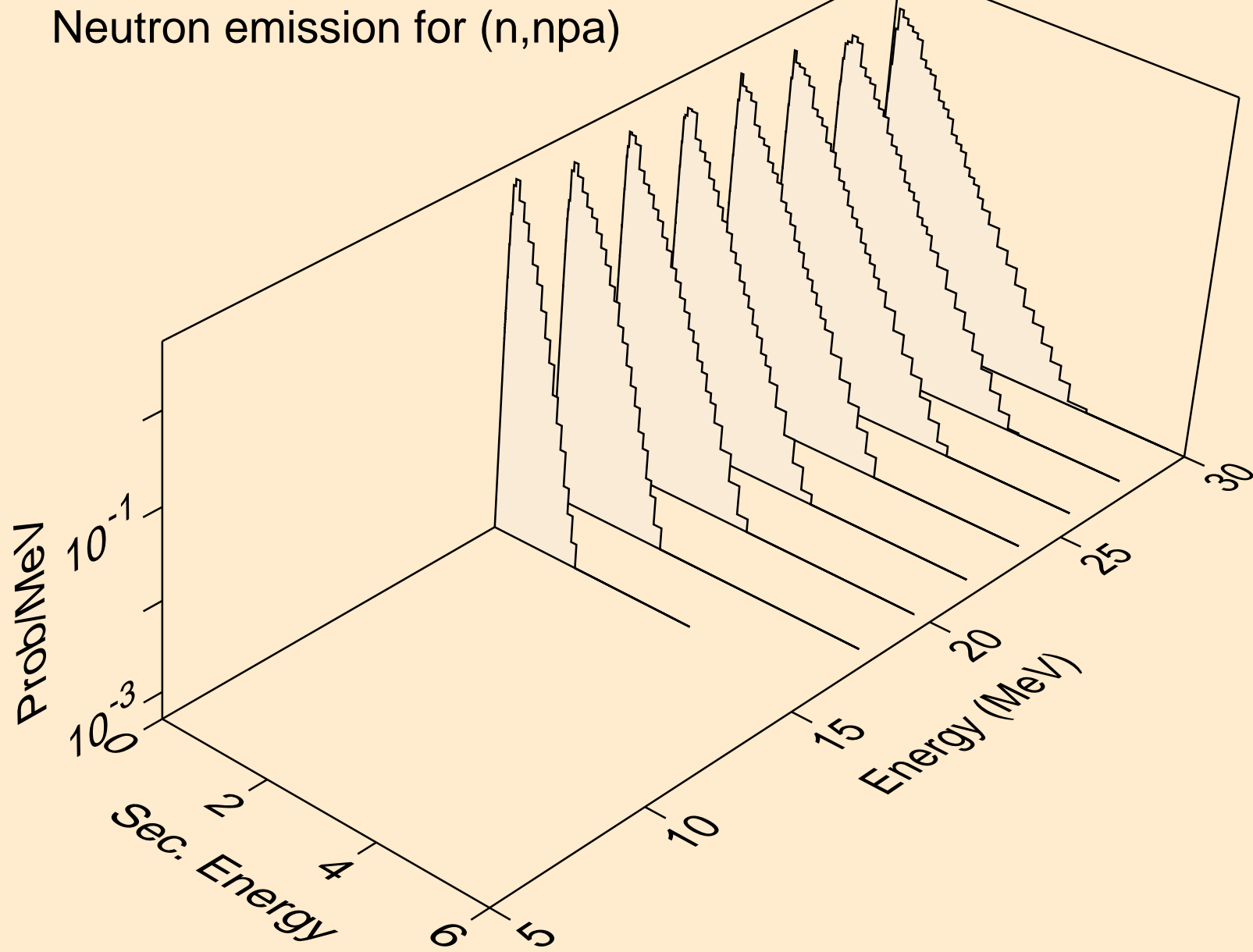




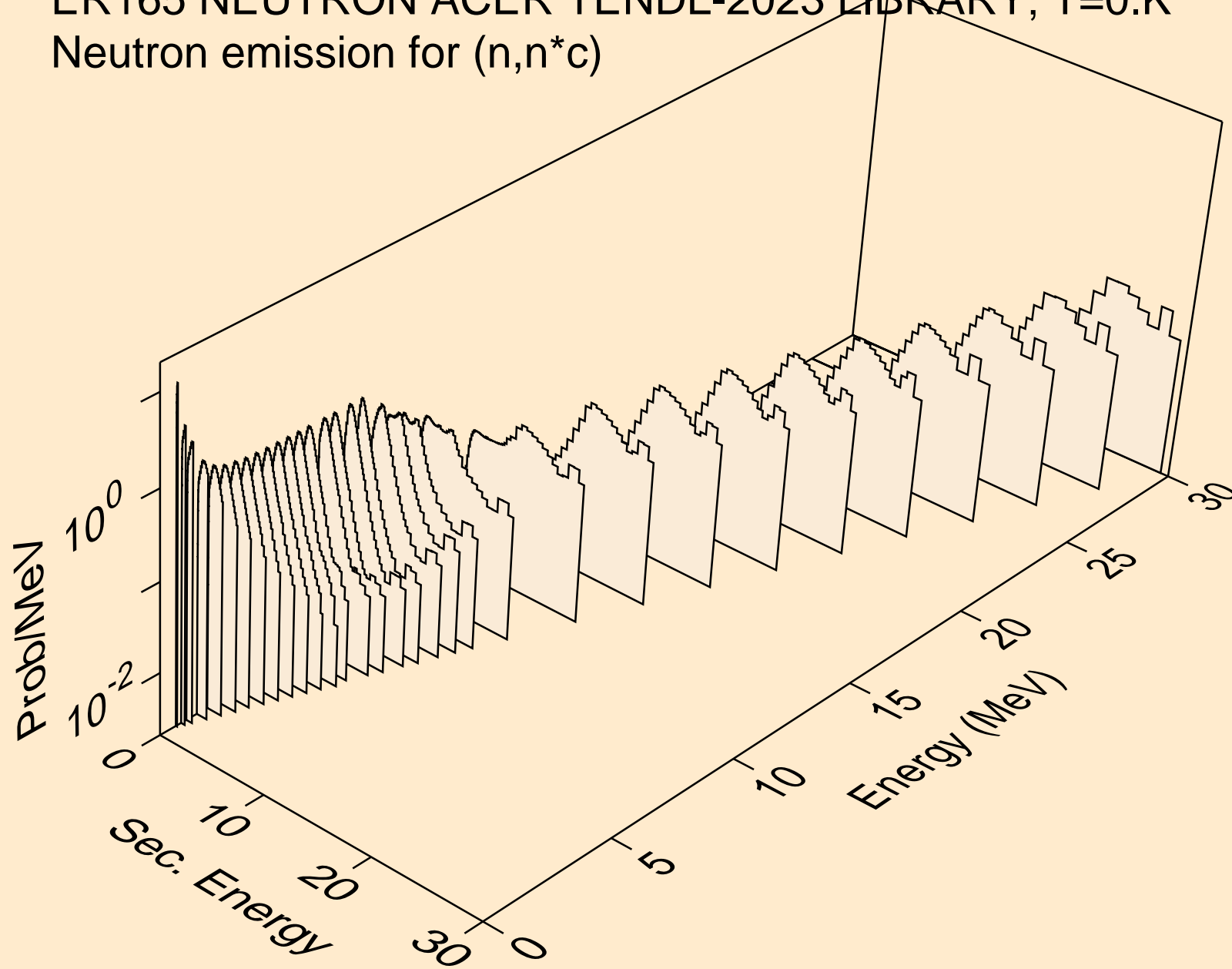
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



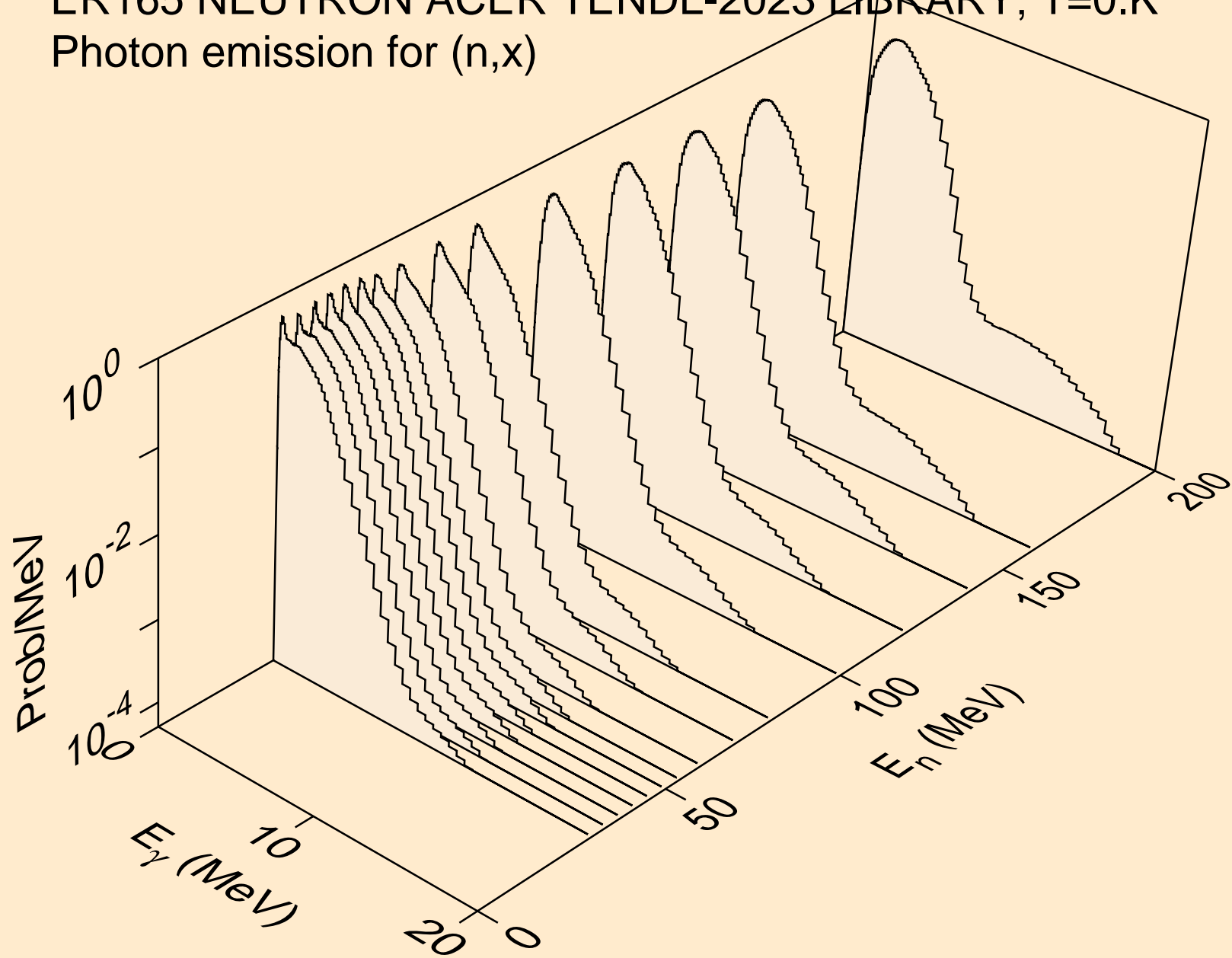
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



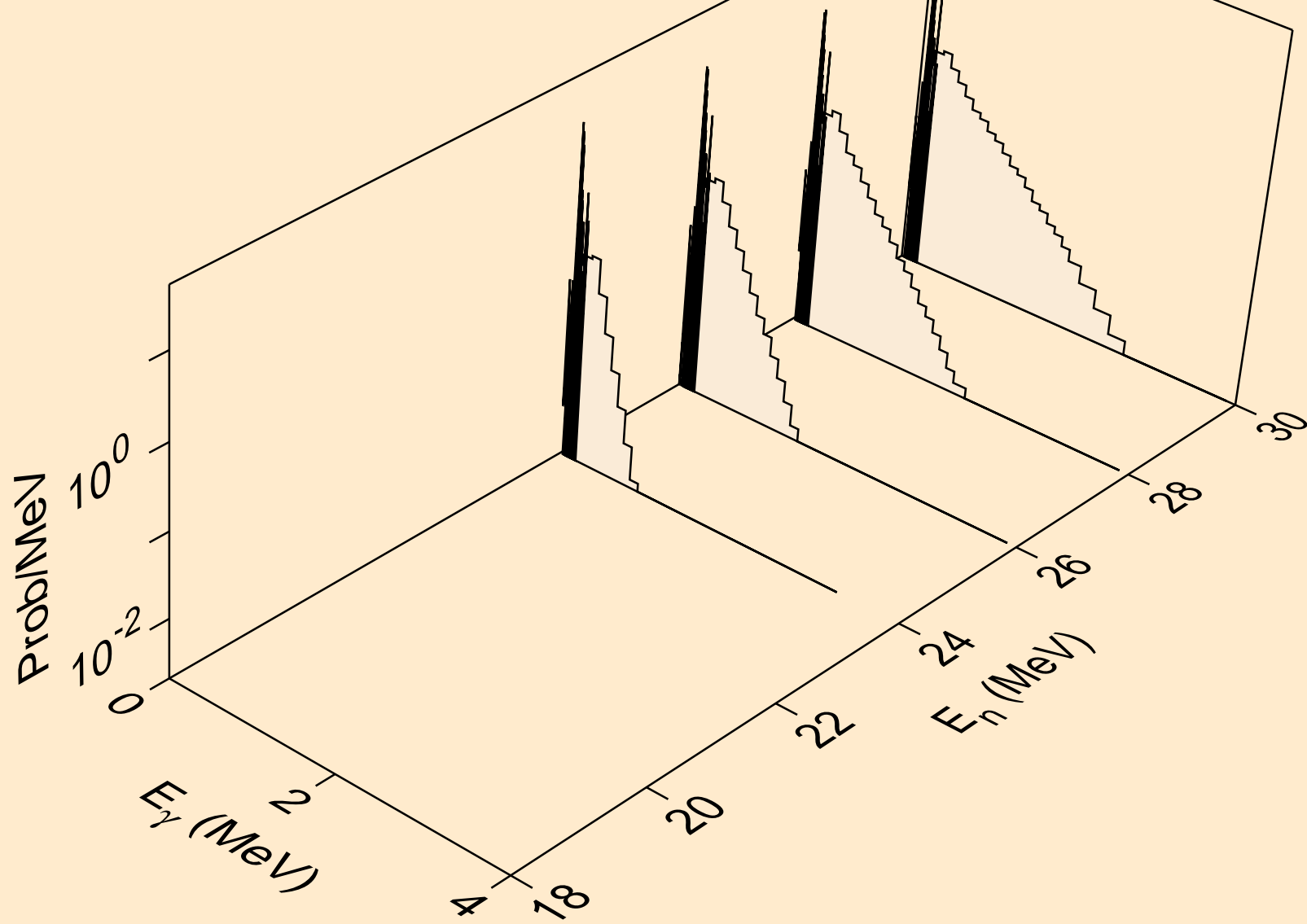
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



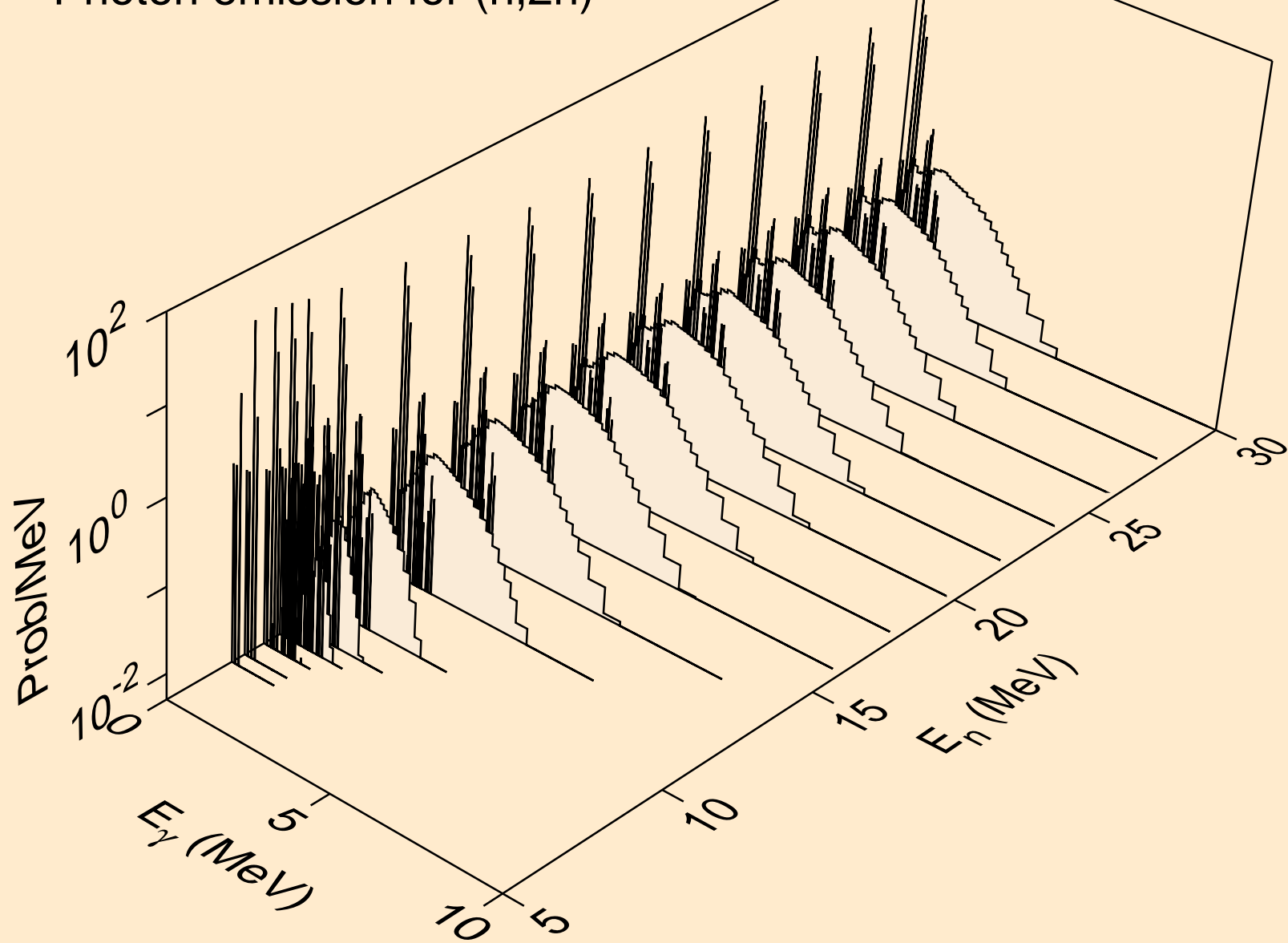
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



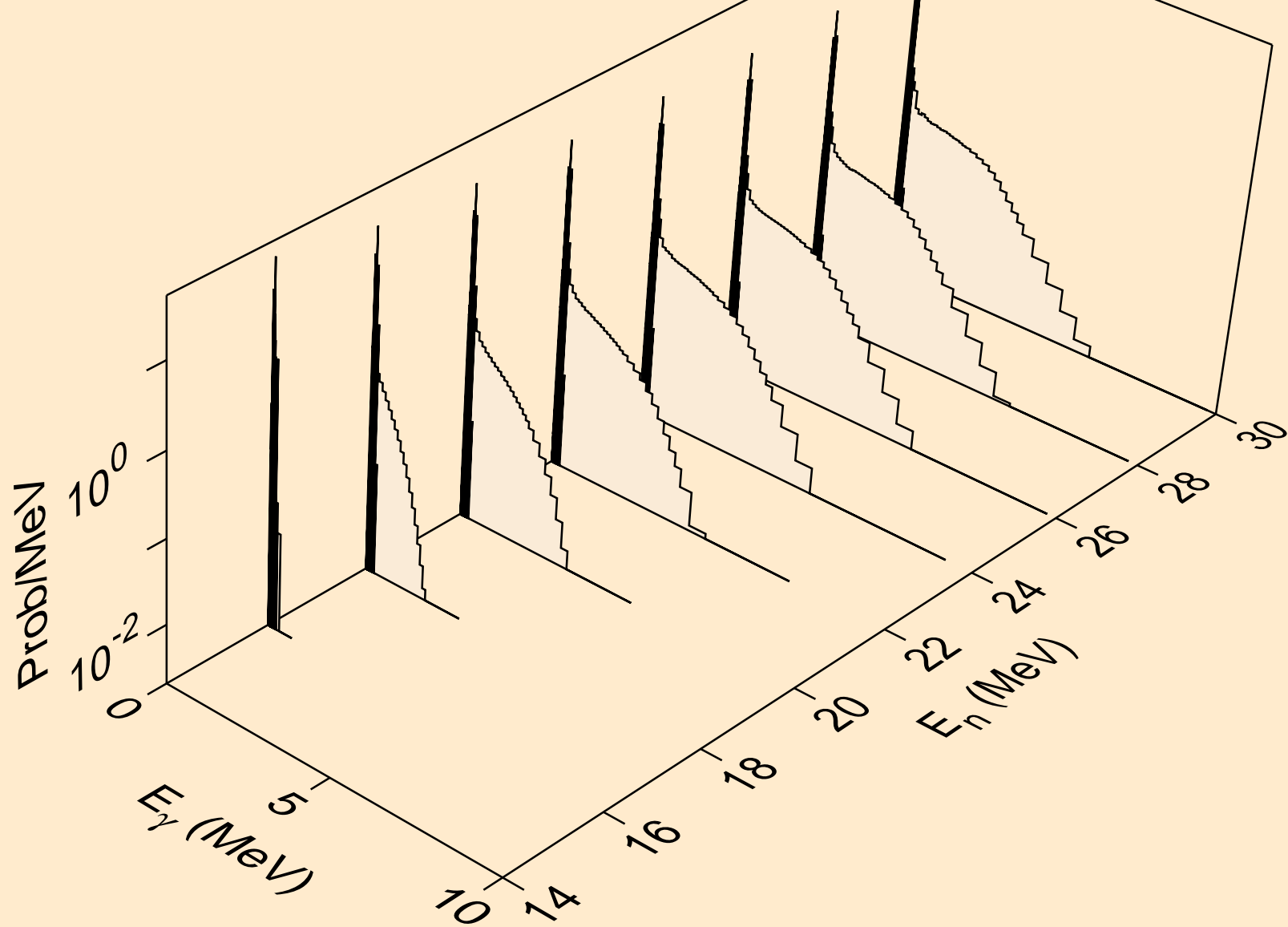
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



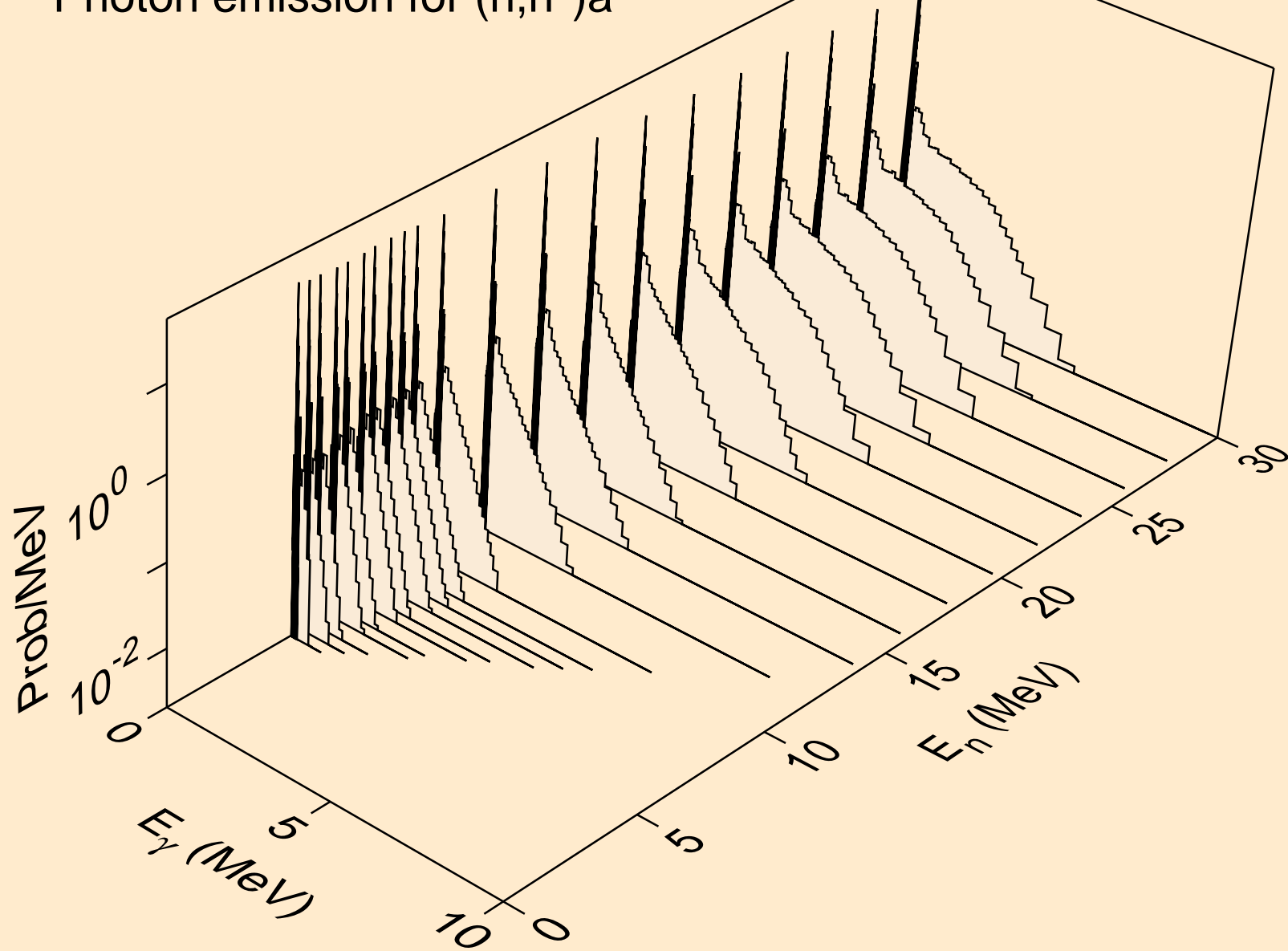
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

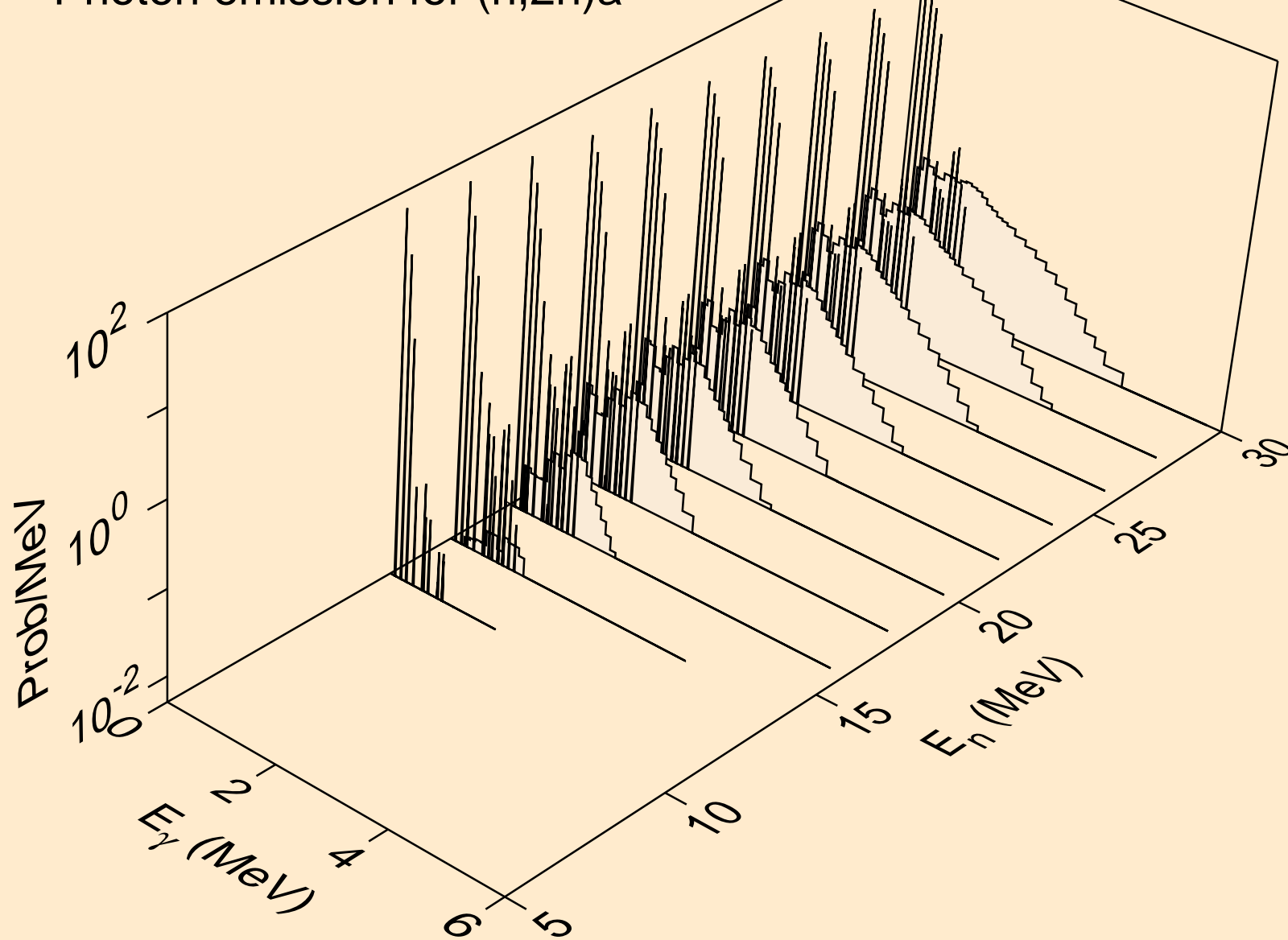


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

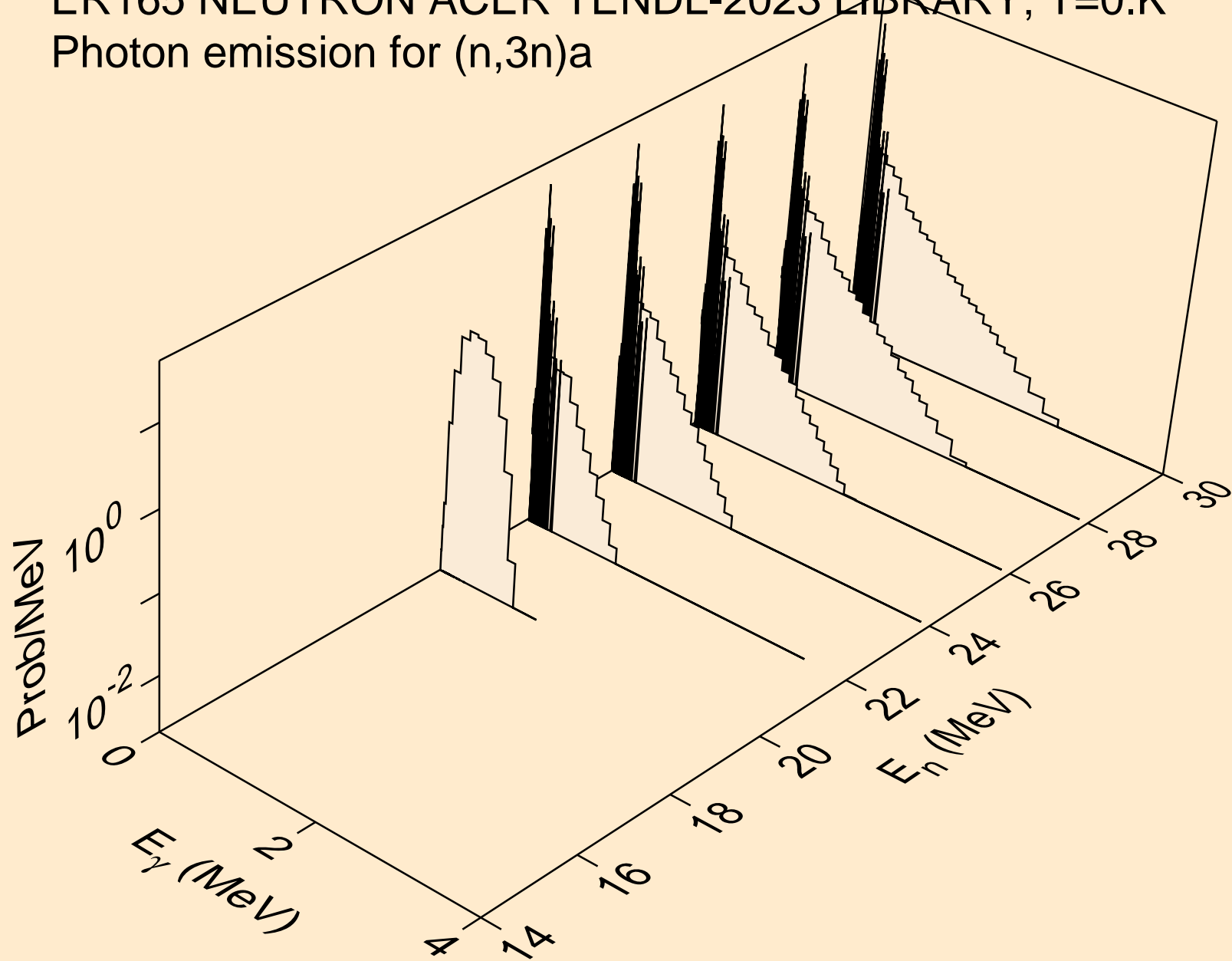




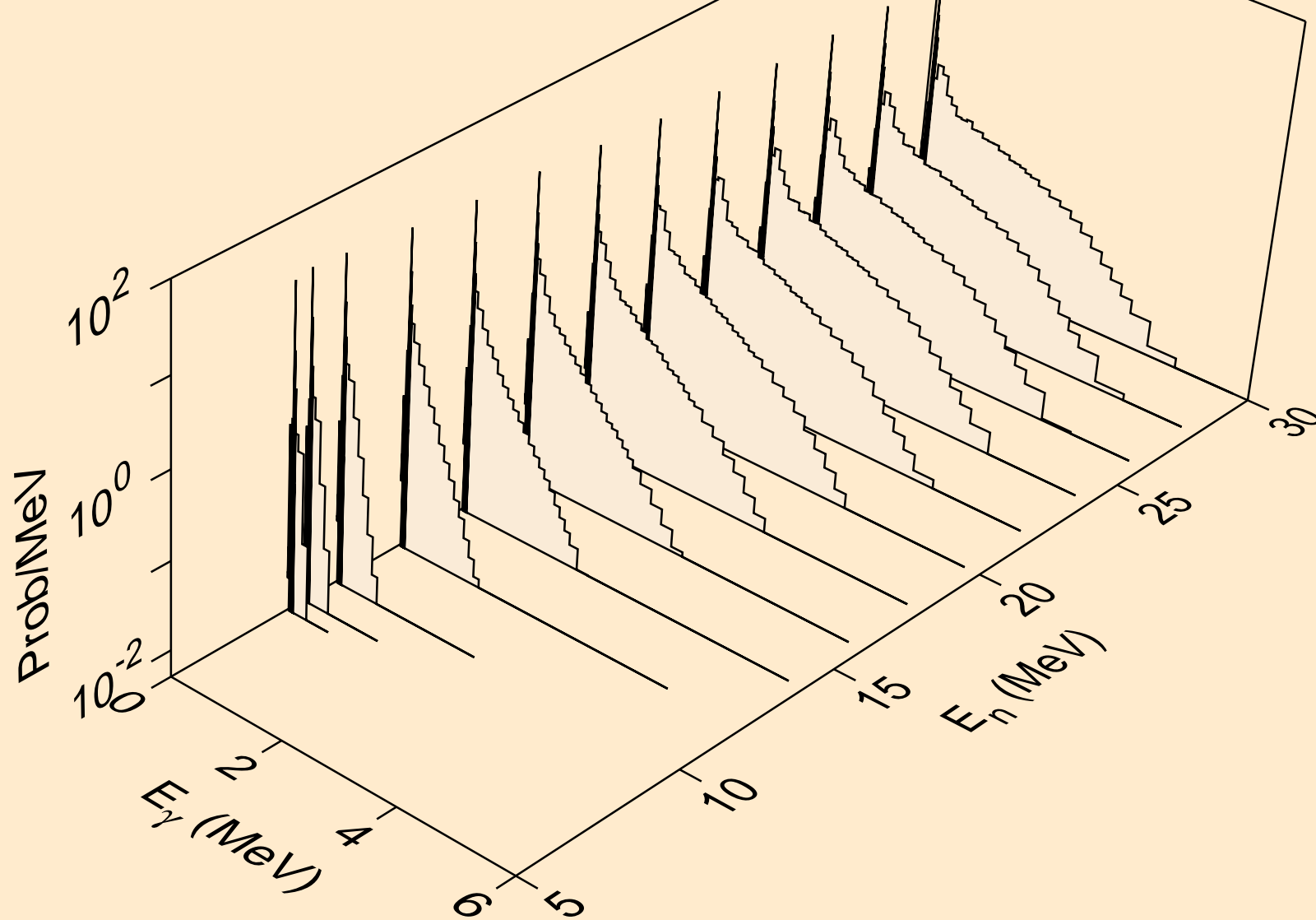
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



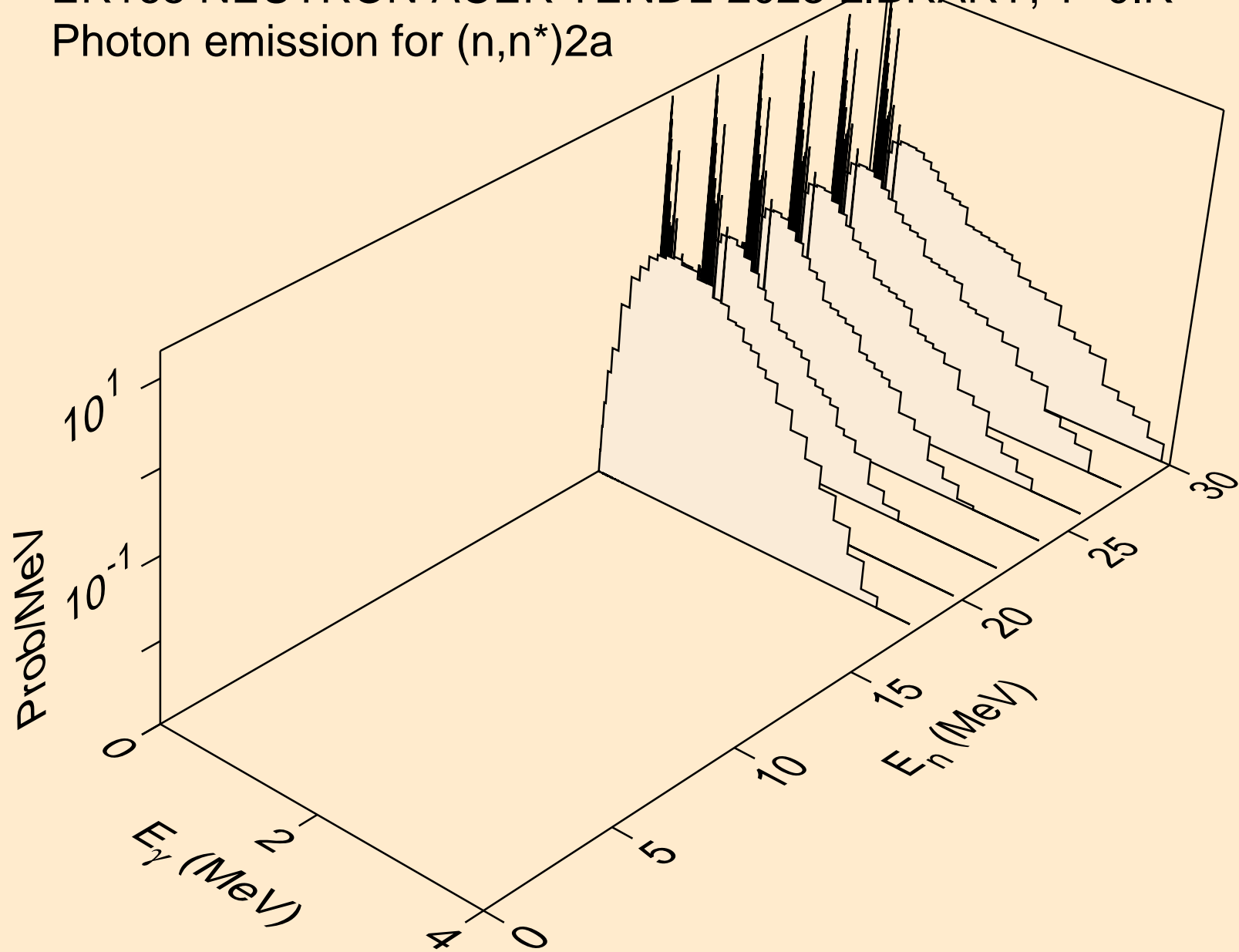
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



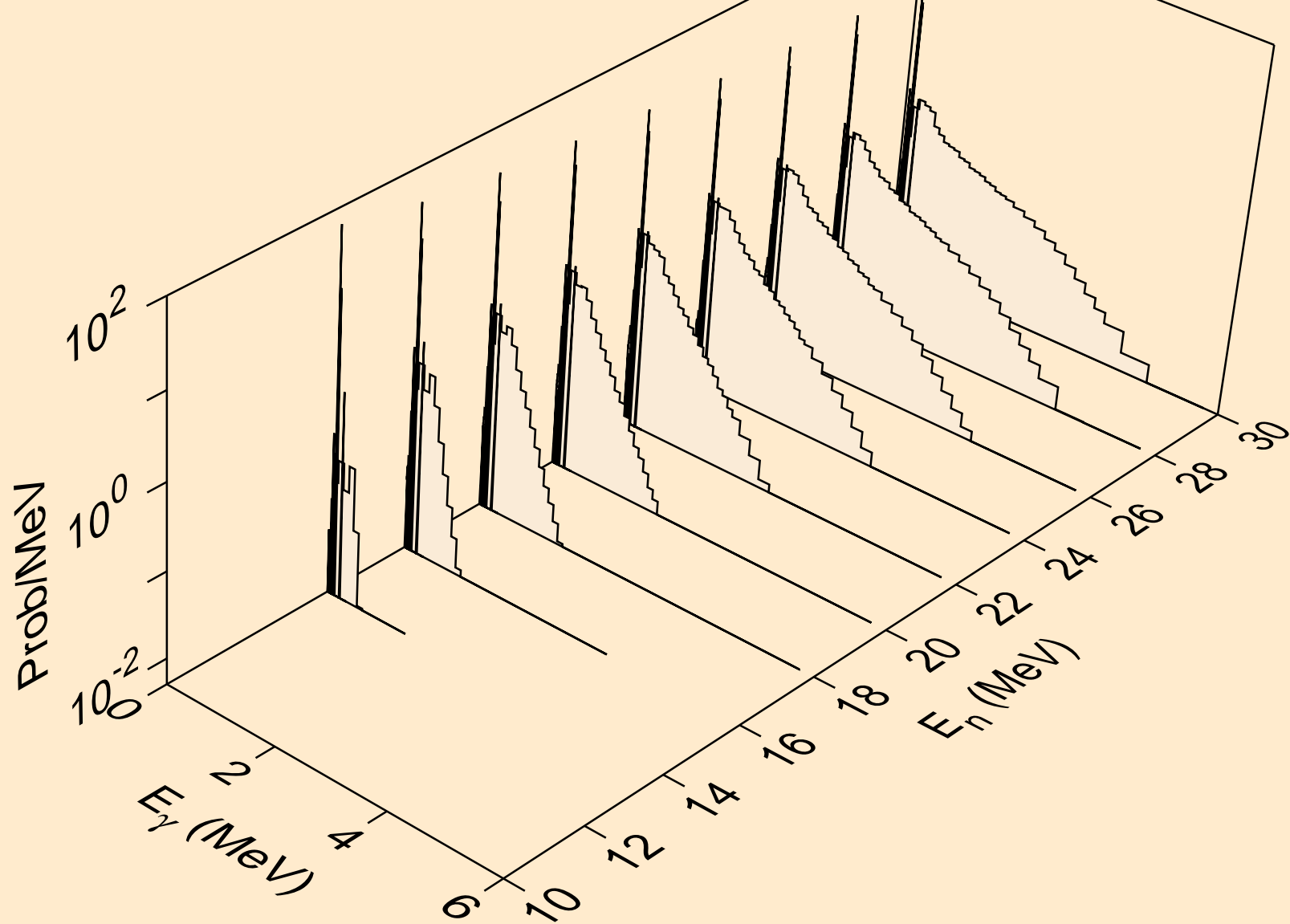
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



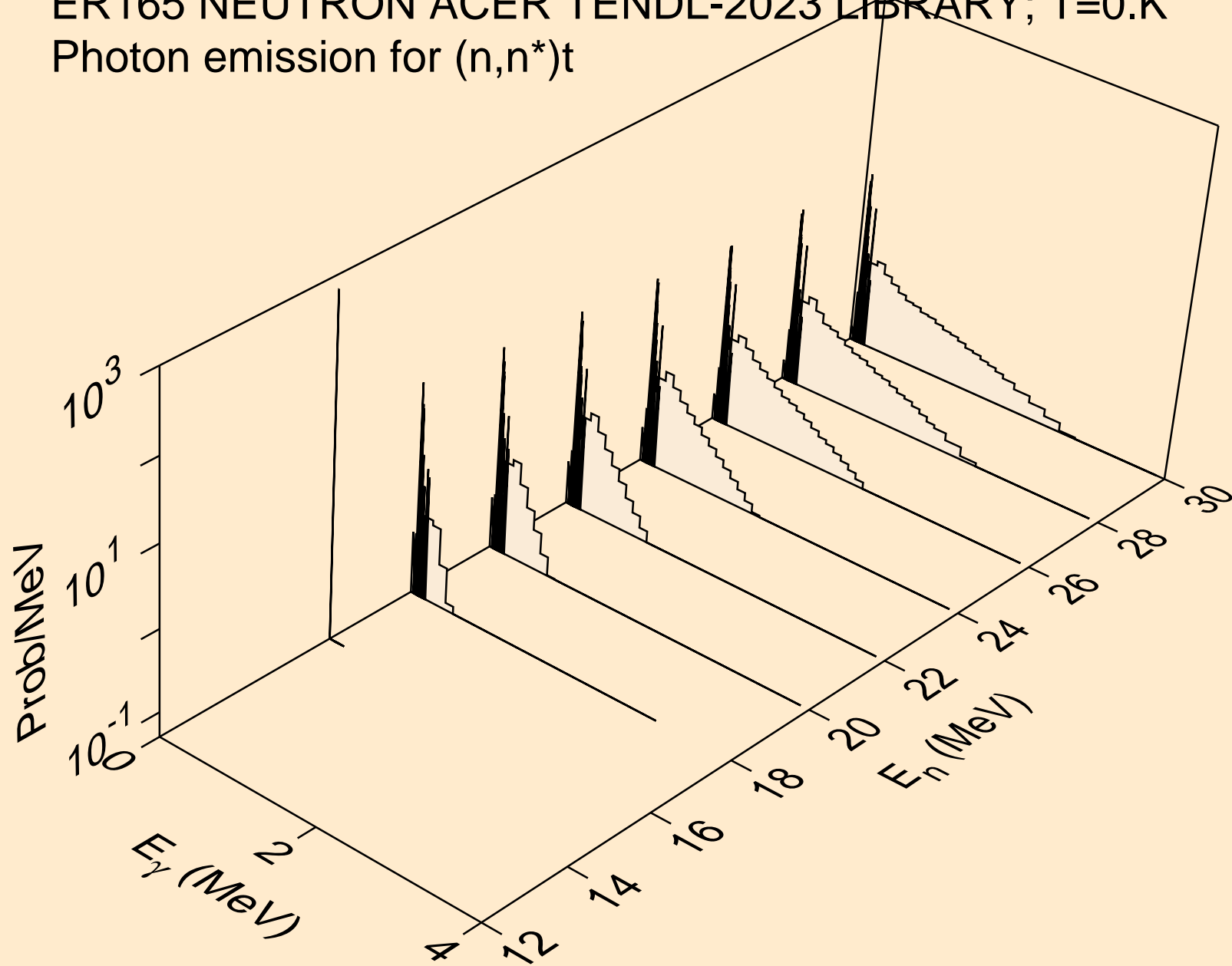
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



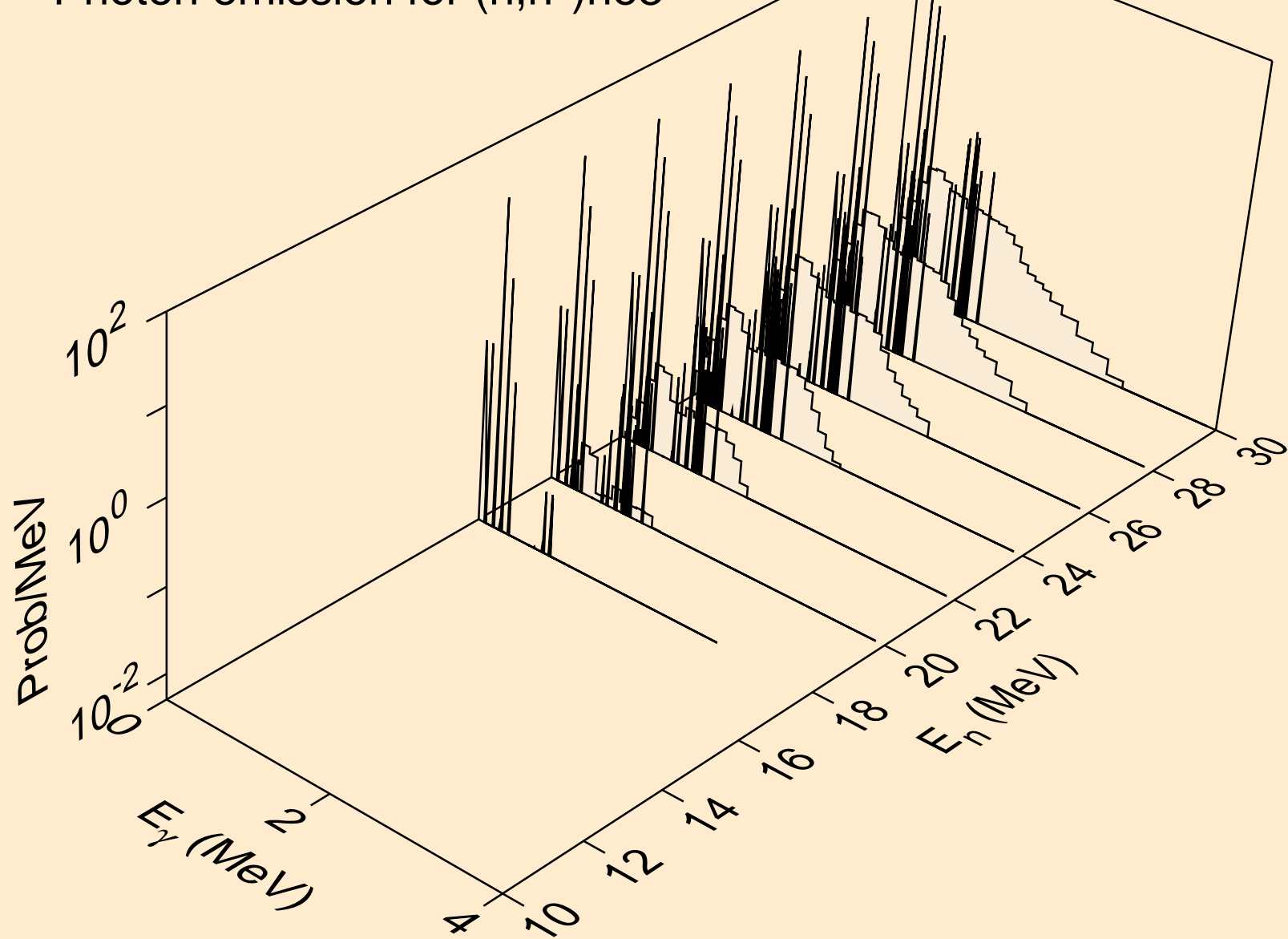
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



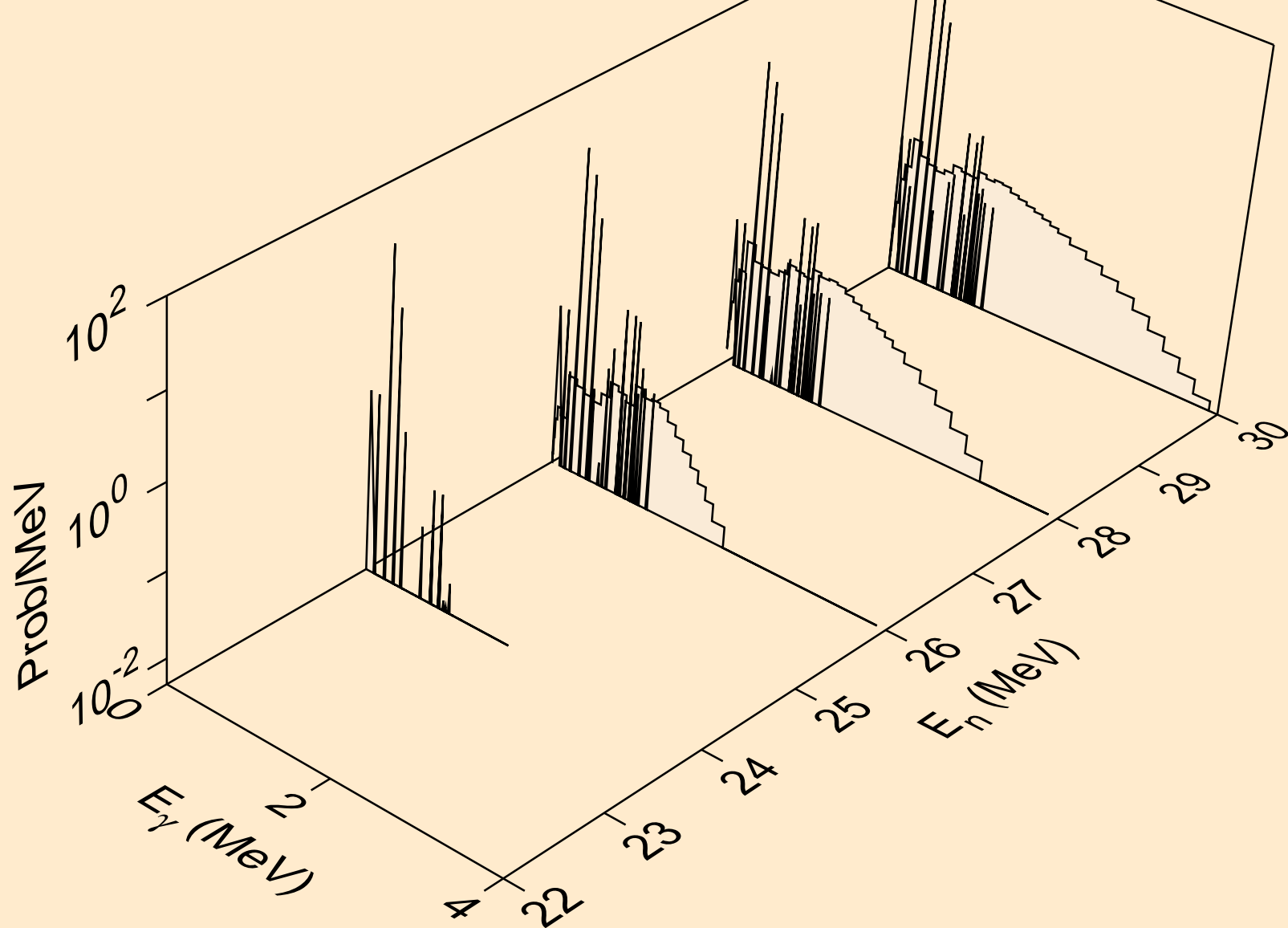
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

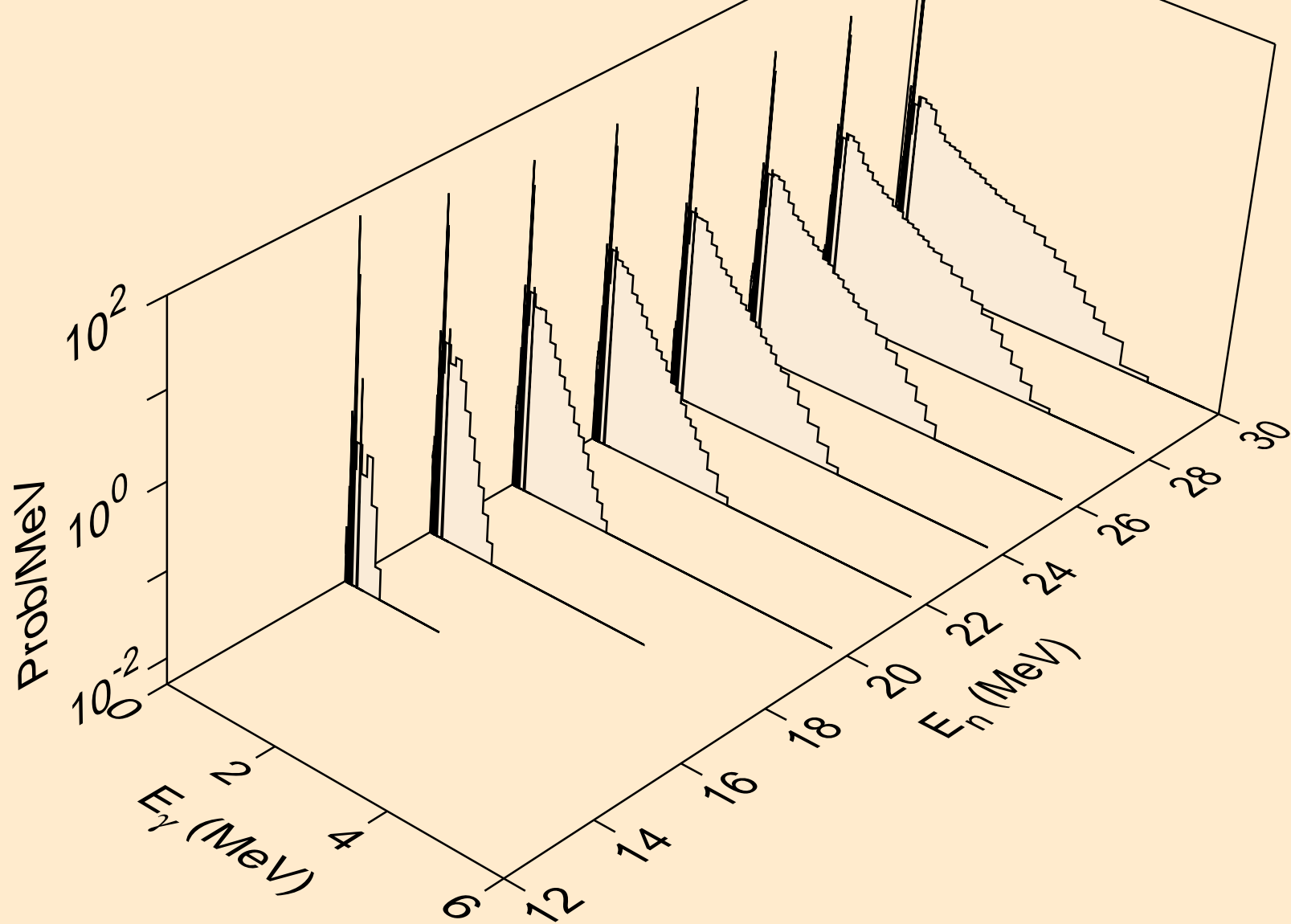


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

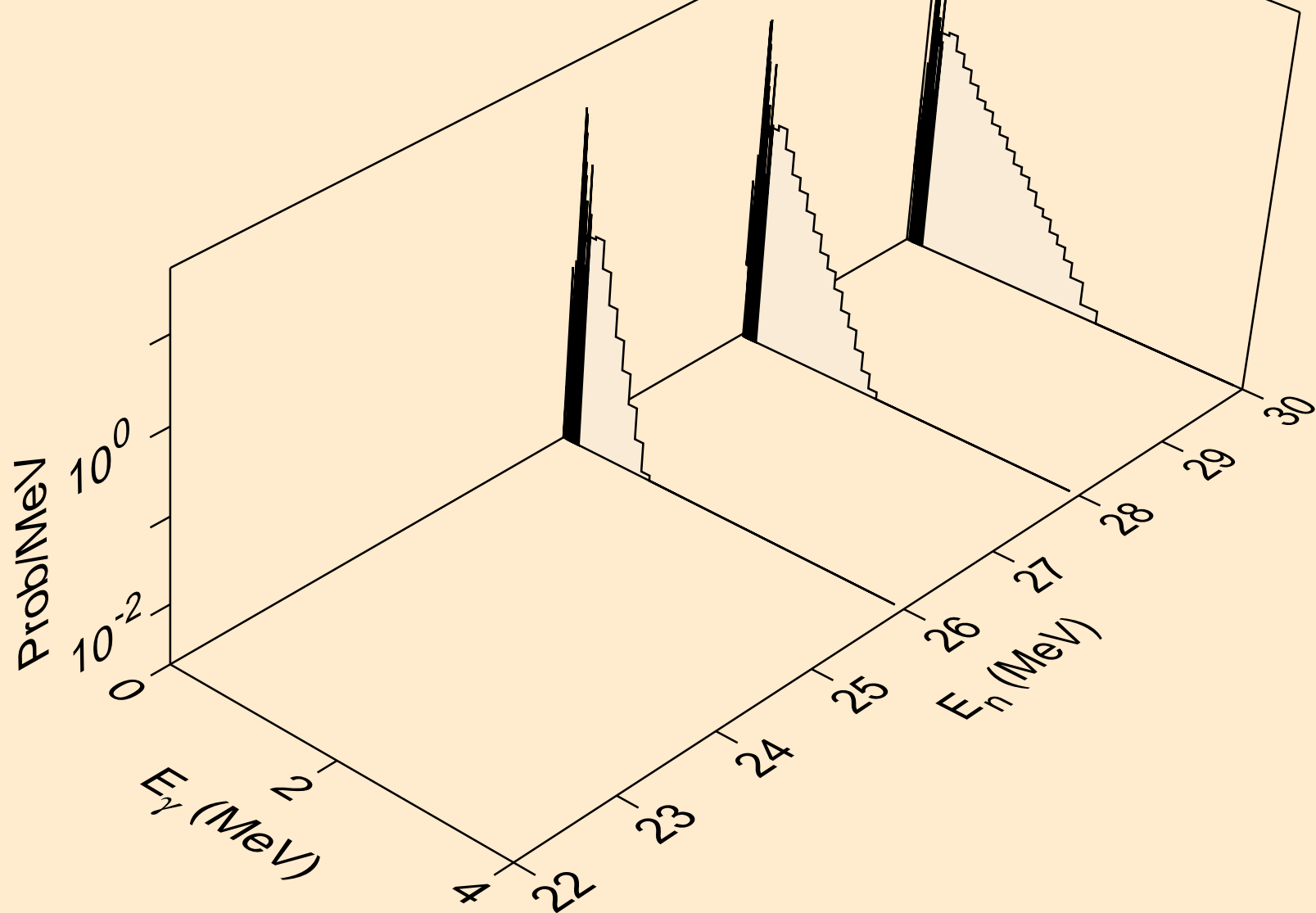




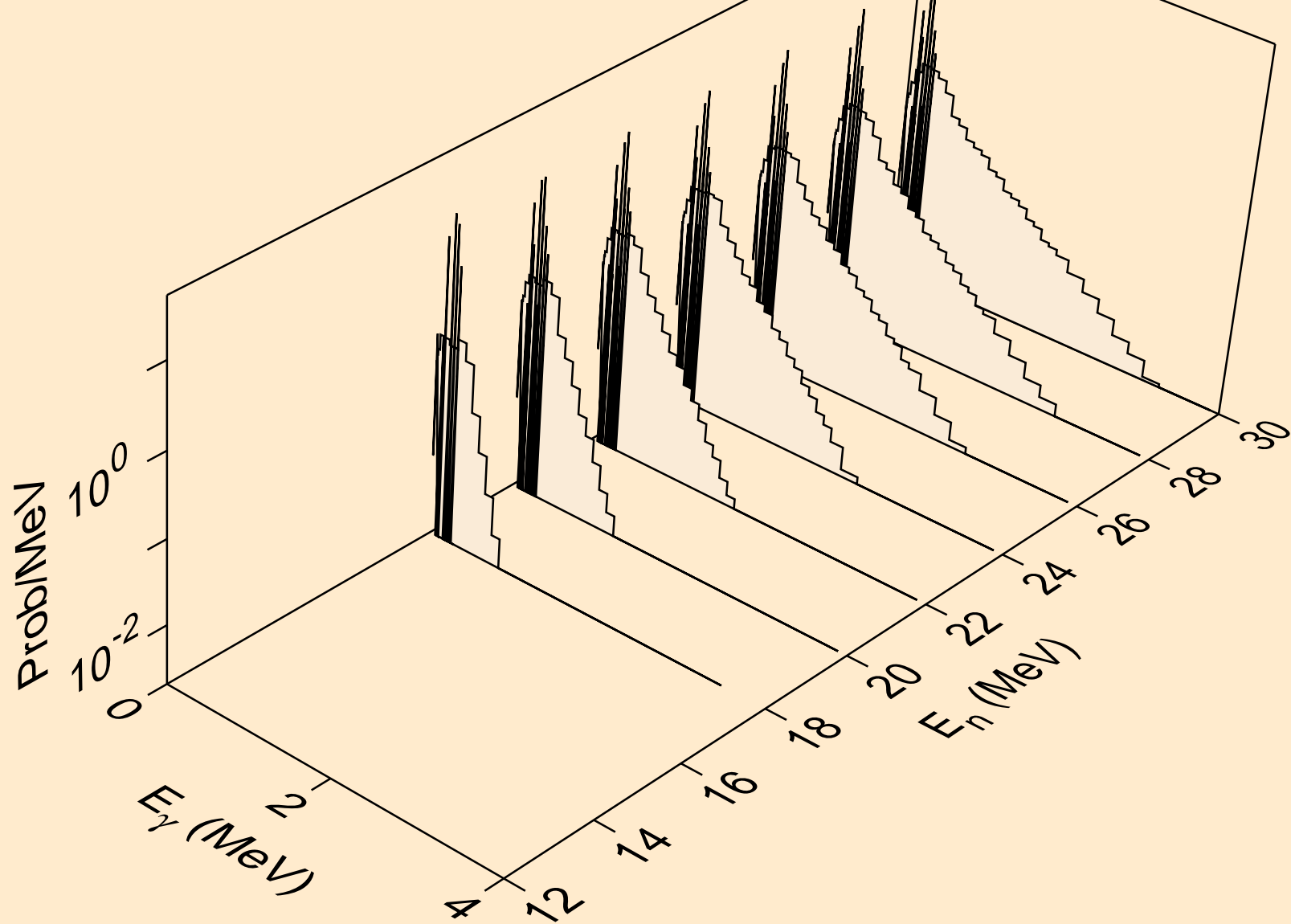
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



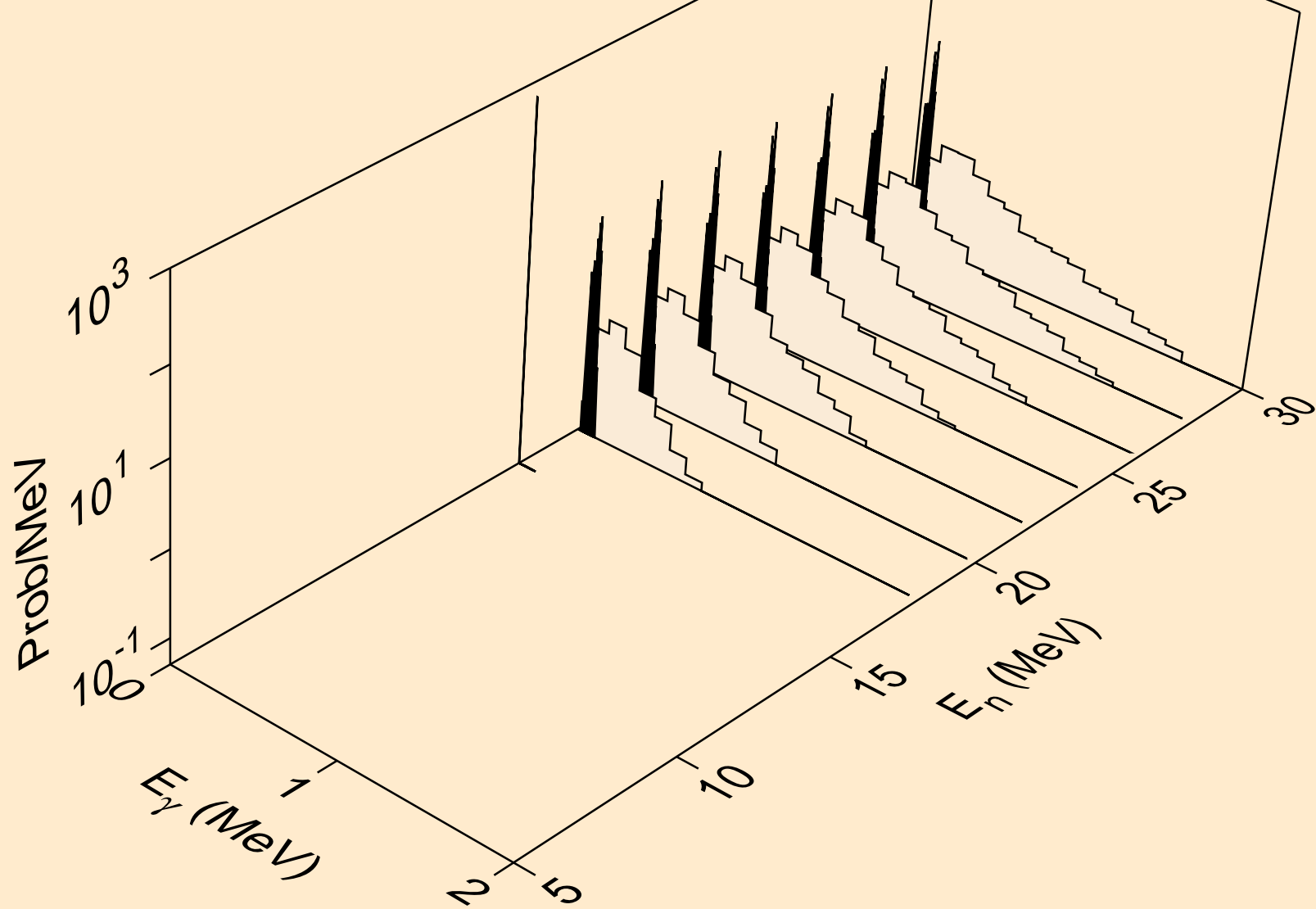
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



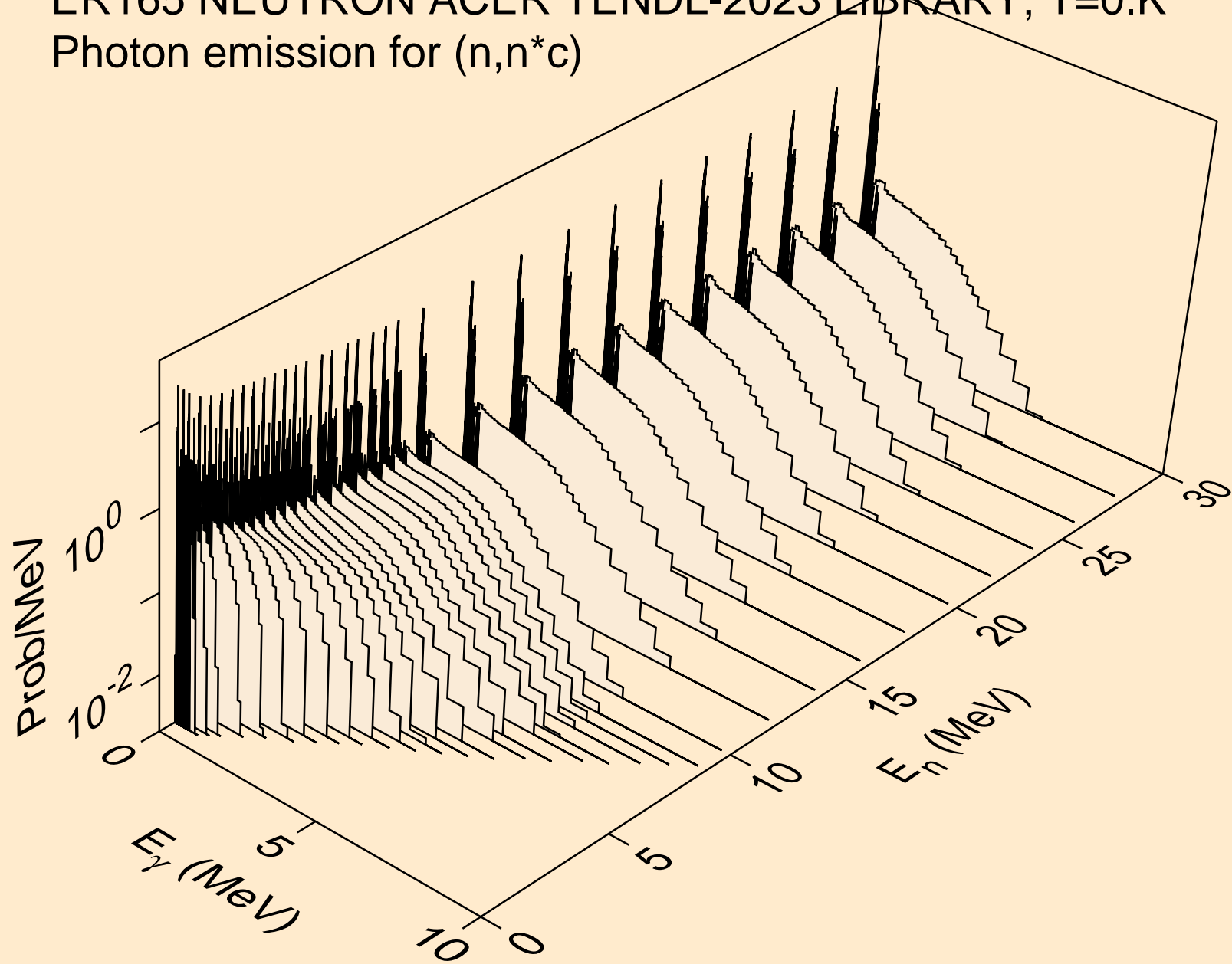
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



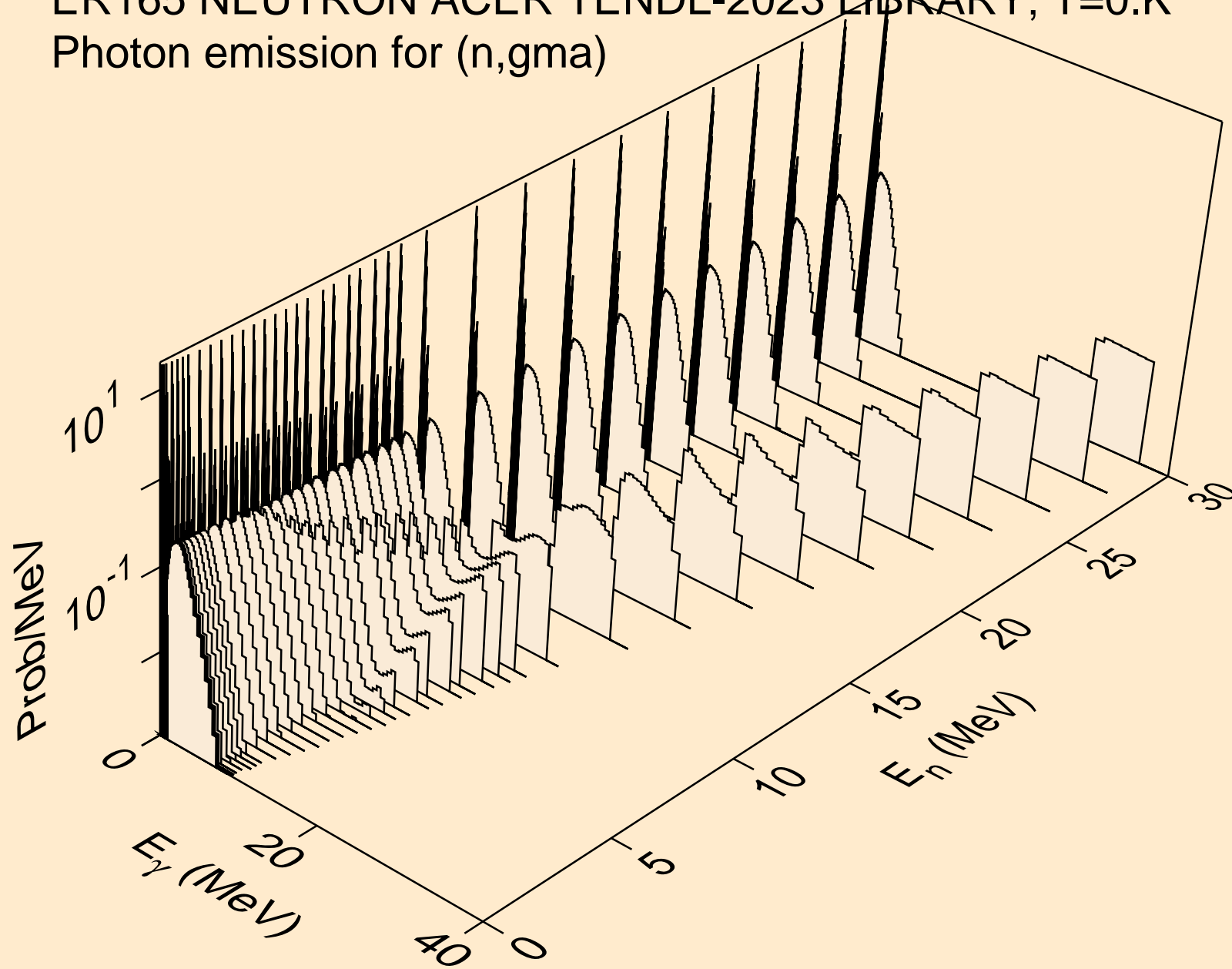
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



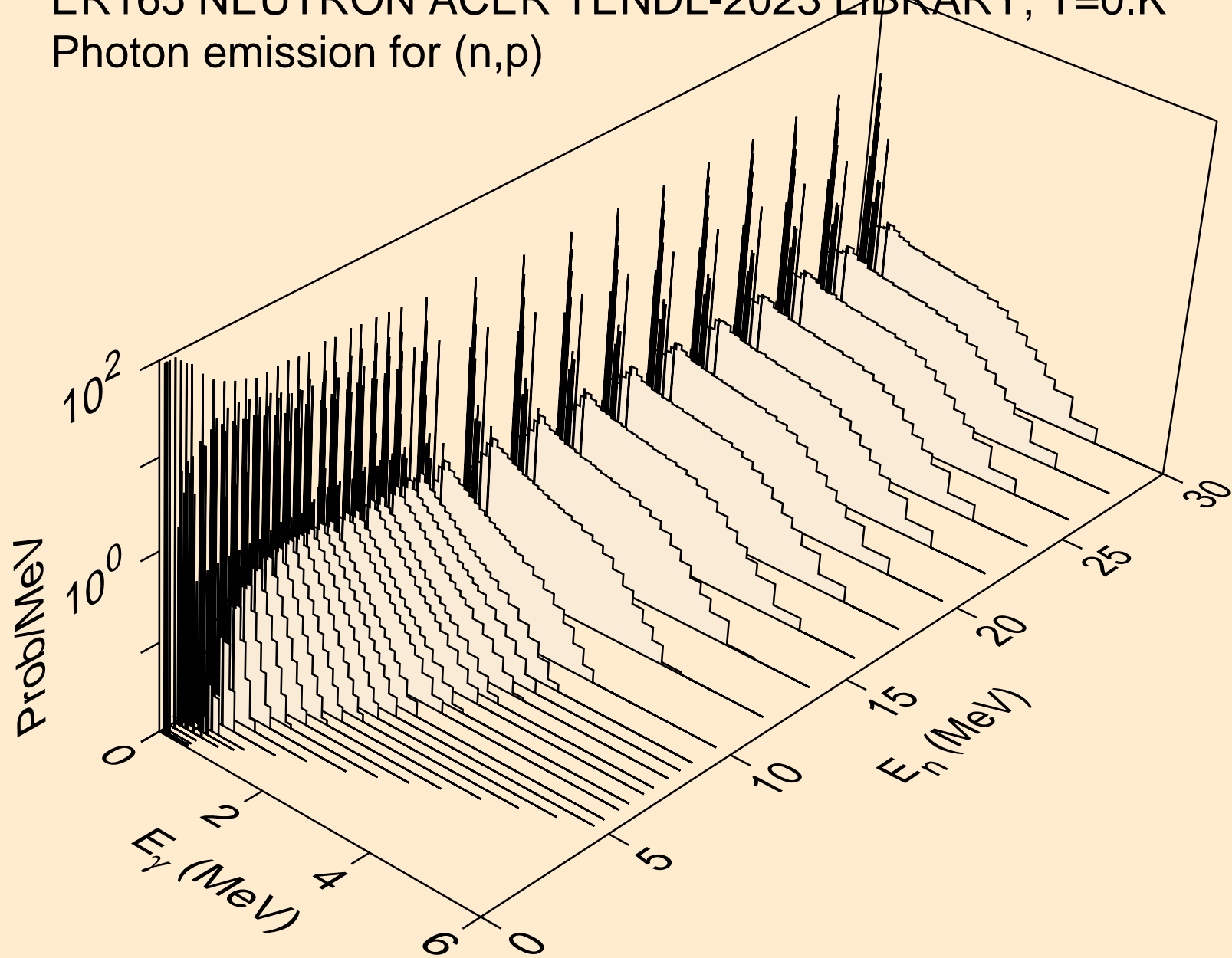
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



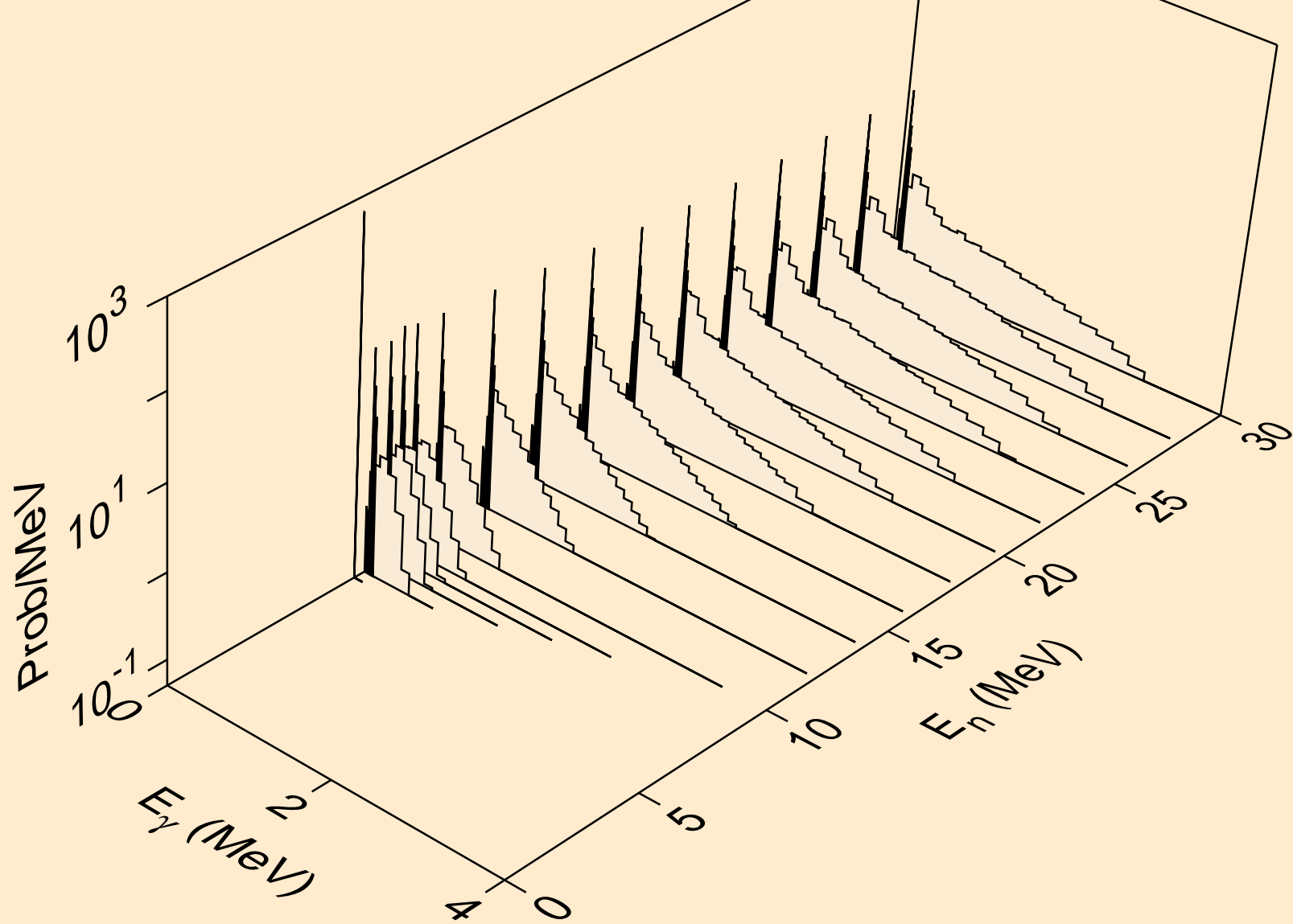
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

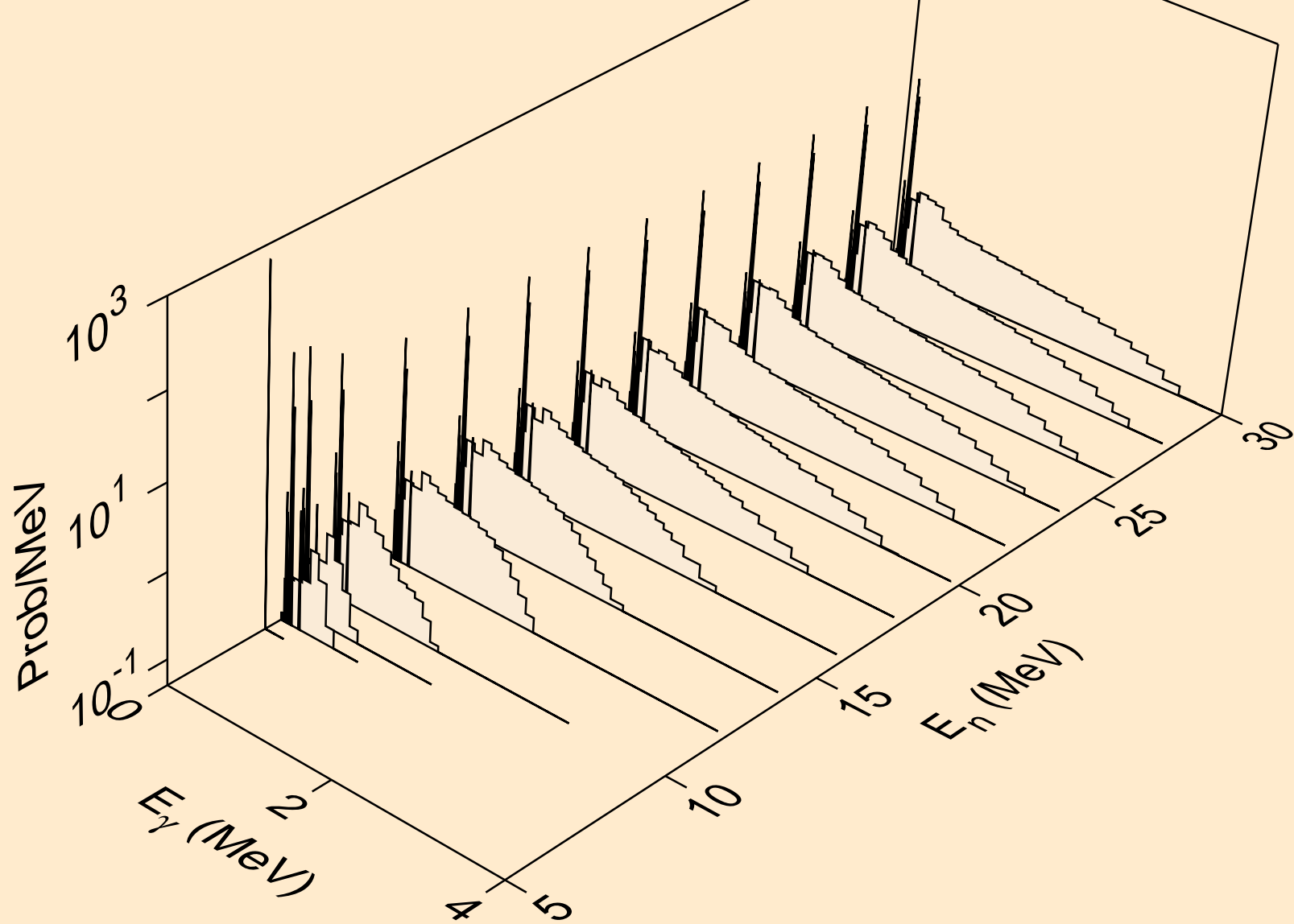


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

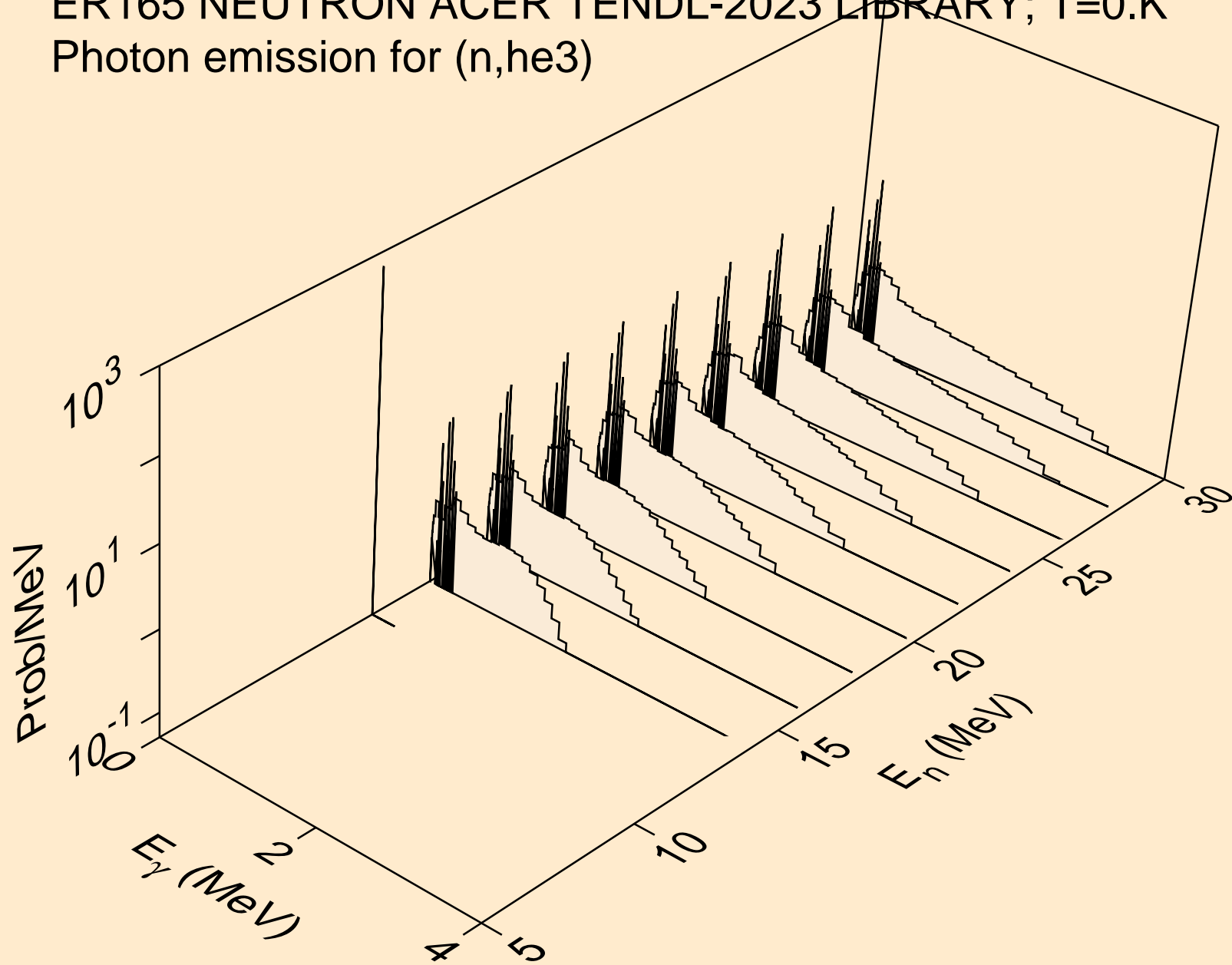




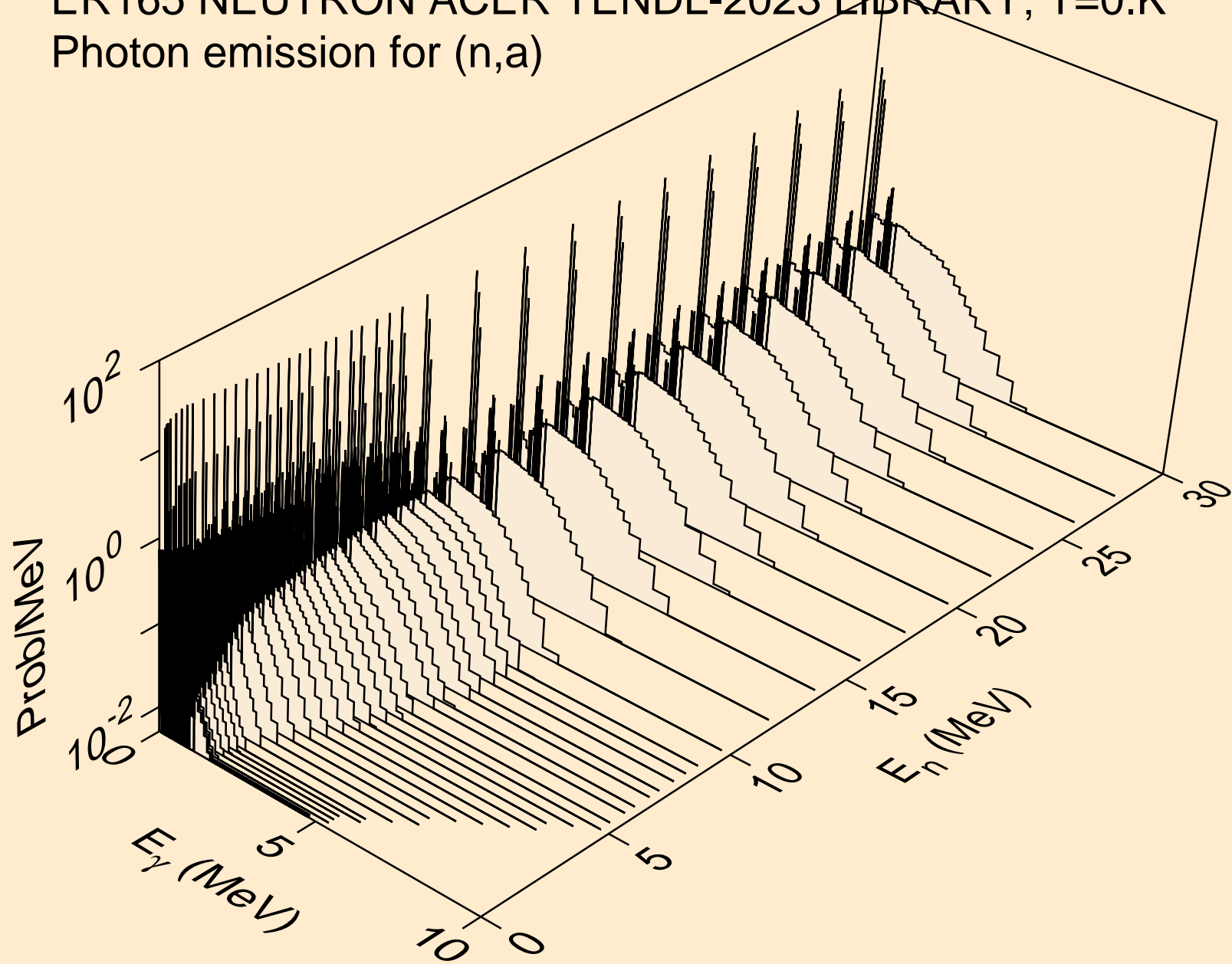
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



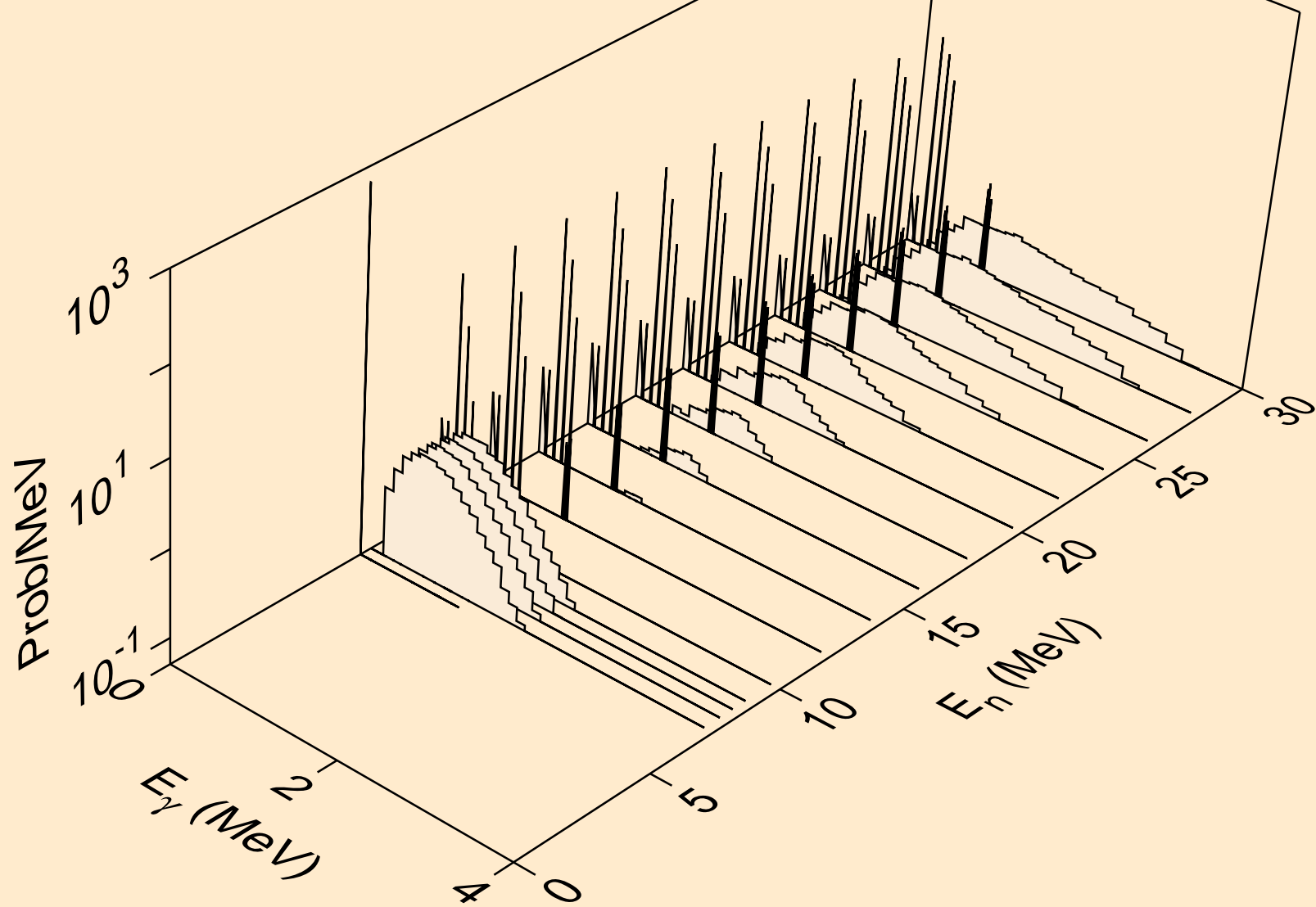
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



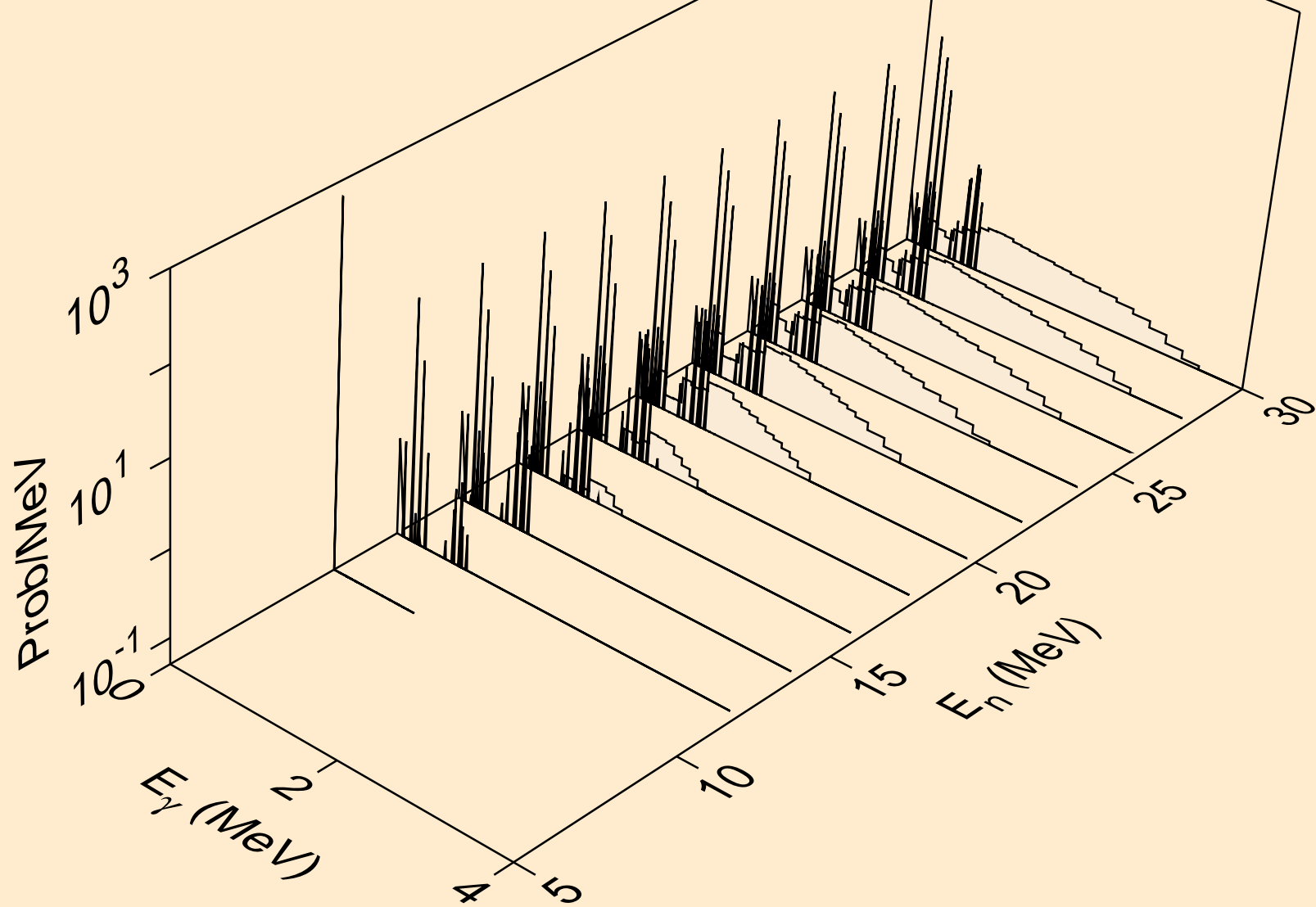
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



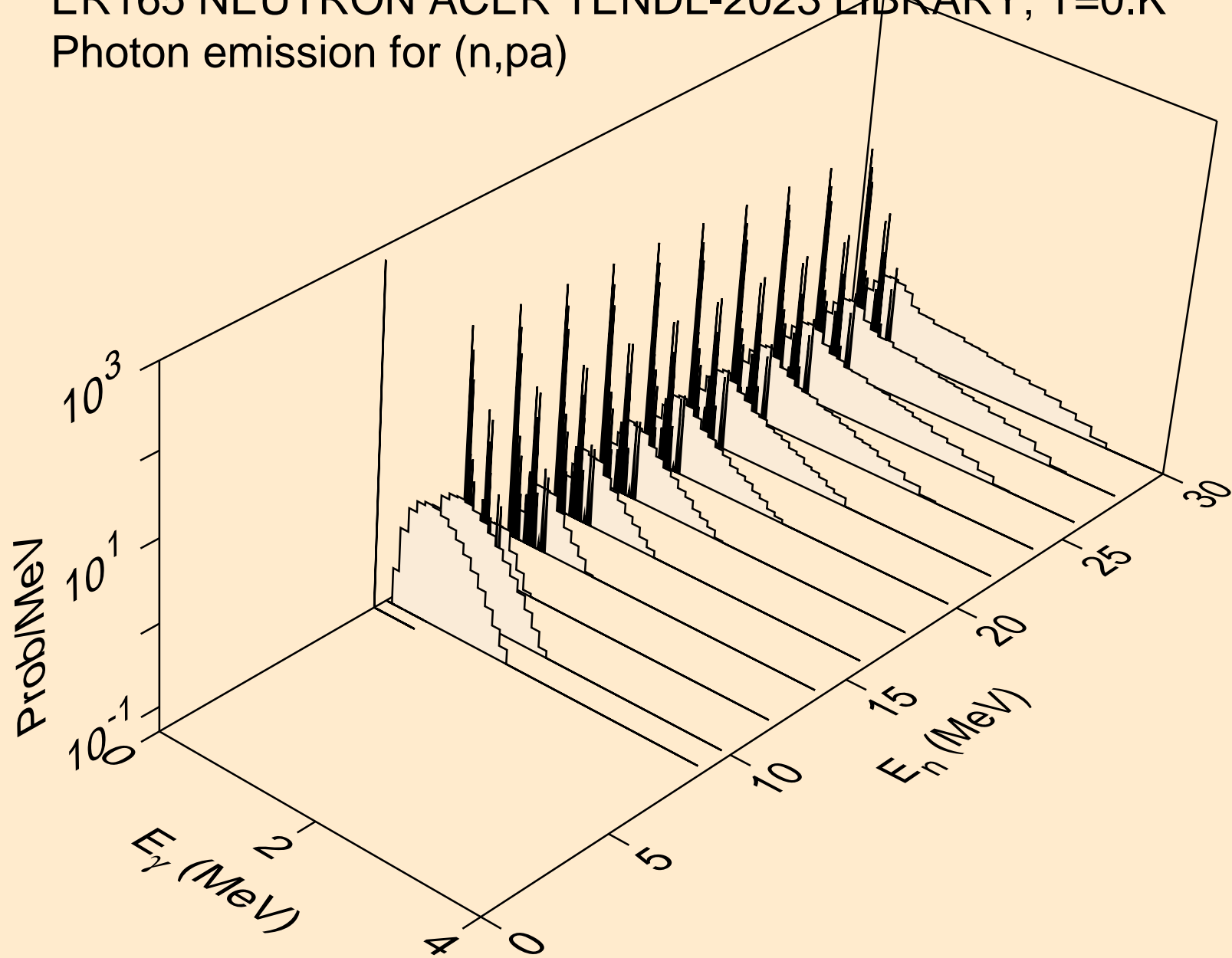
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



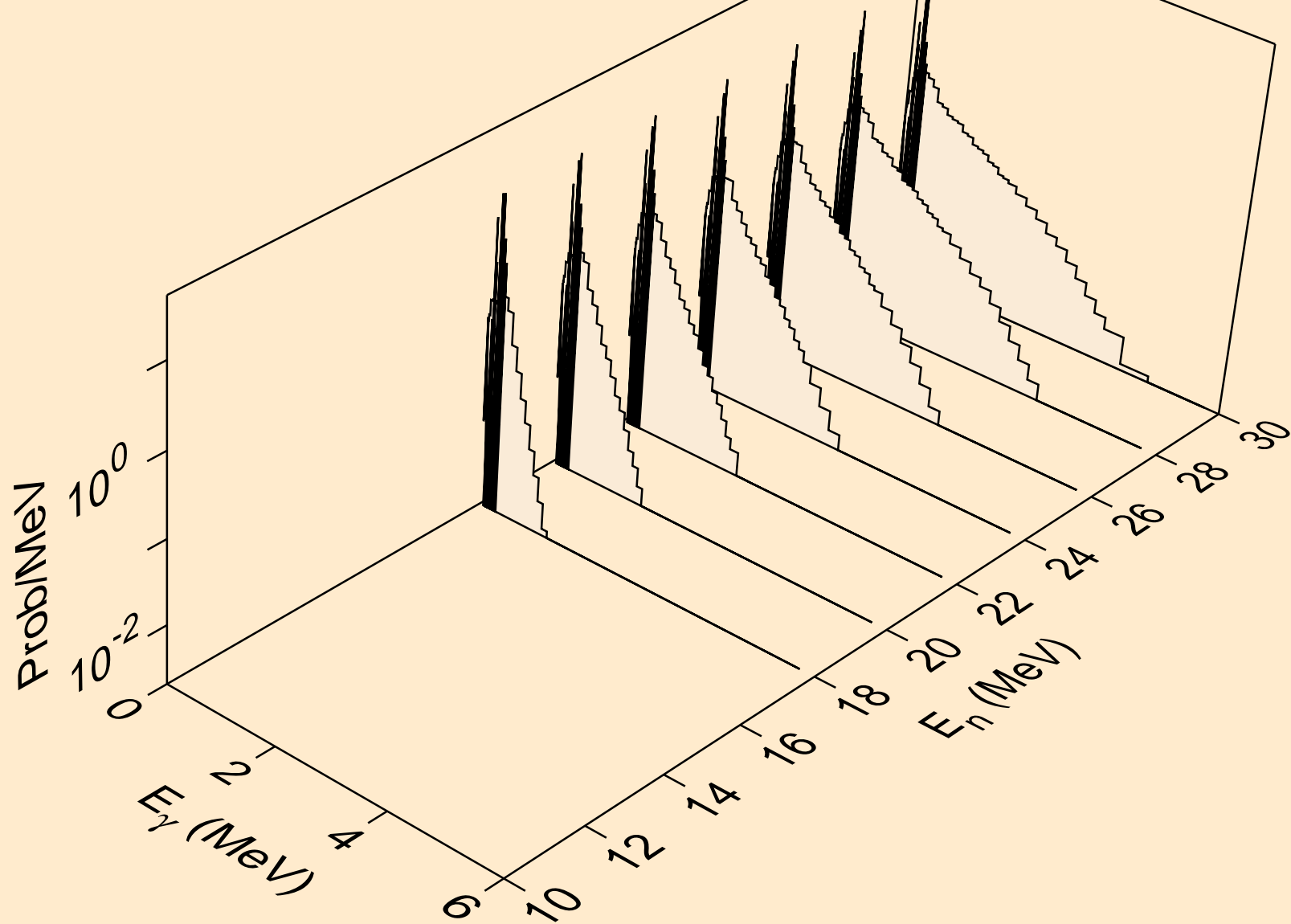
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Photon emission for (n,2p)



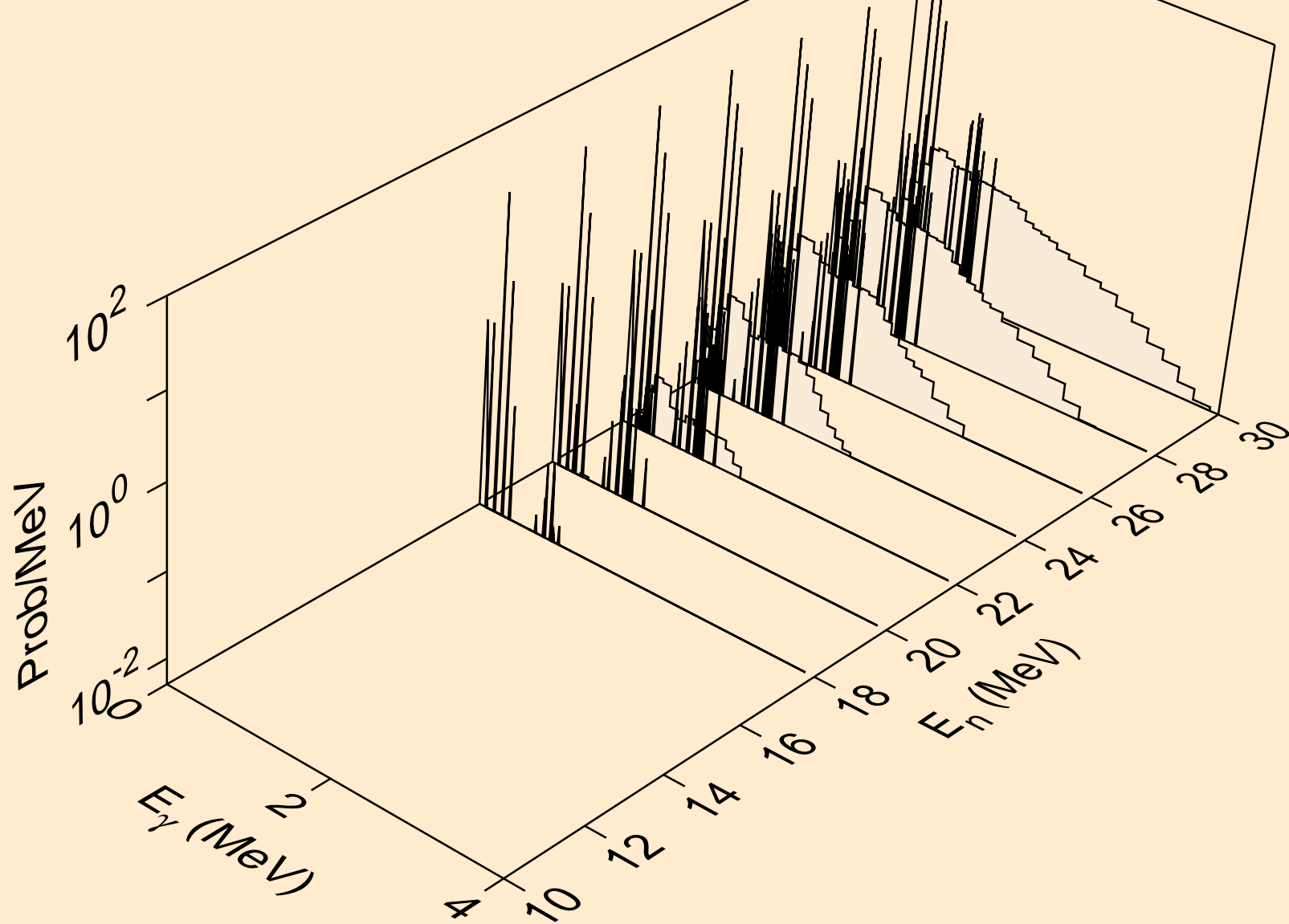
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

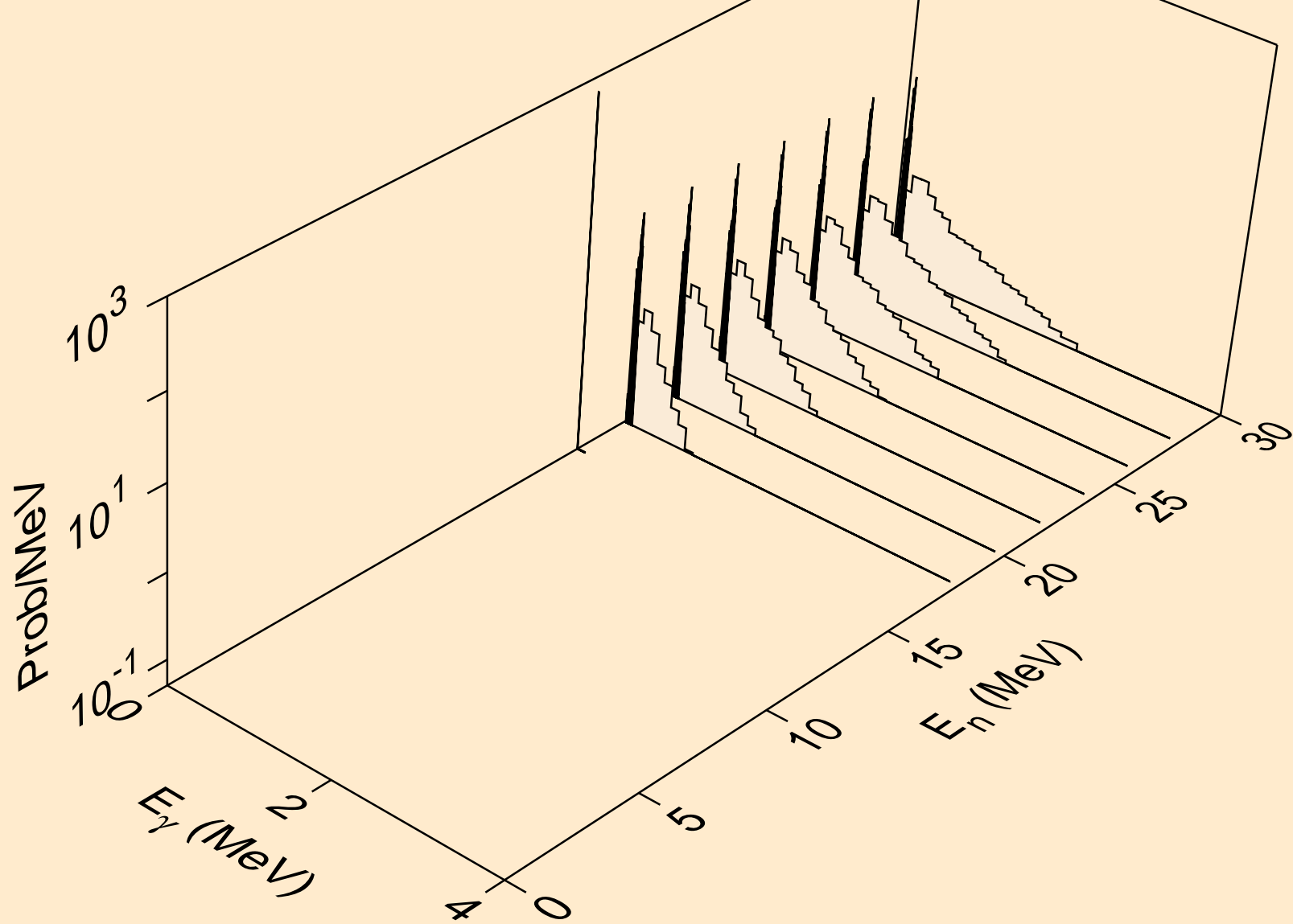


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

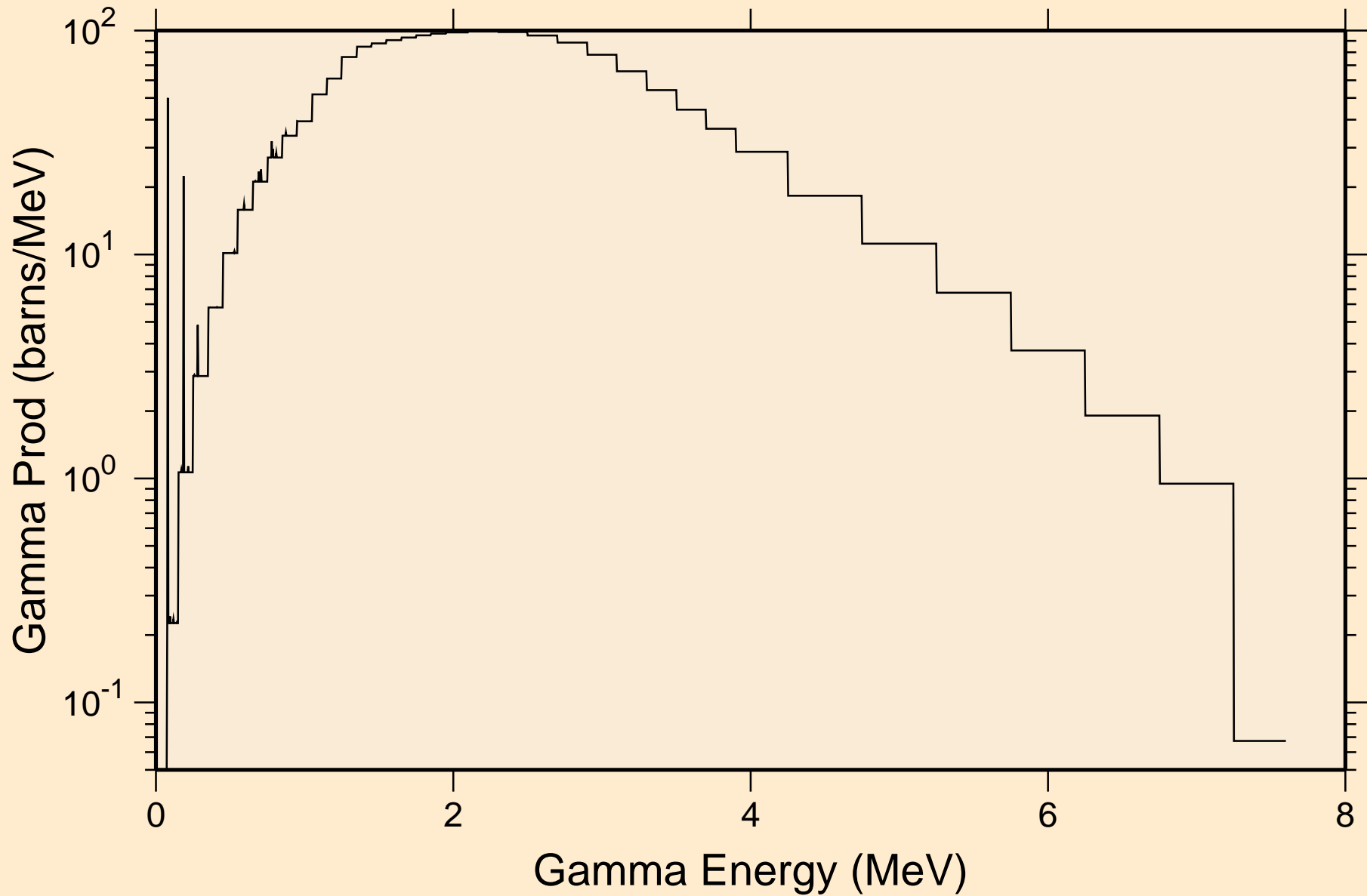




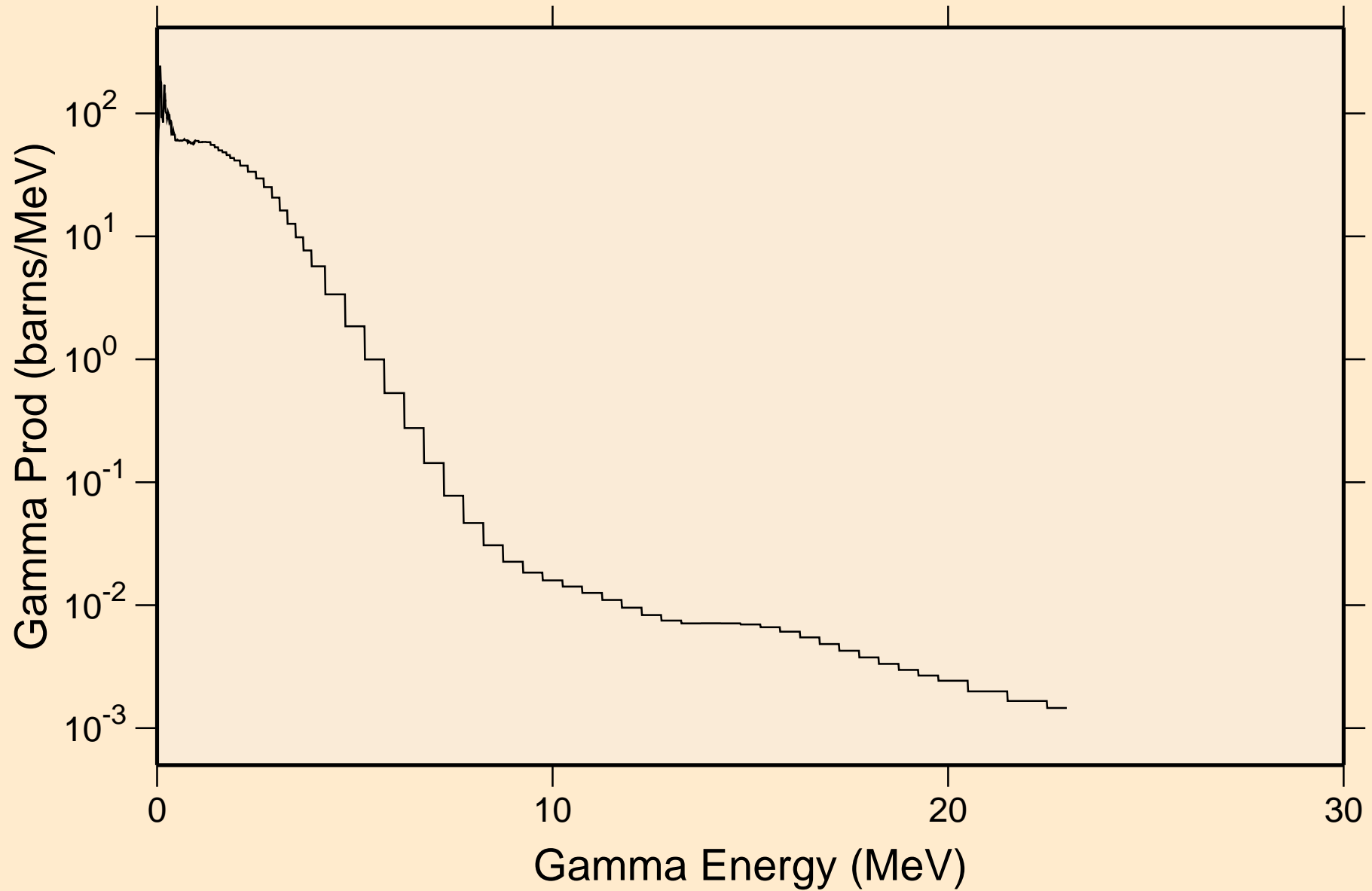
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

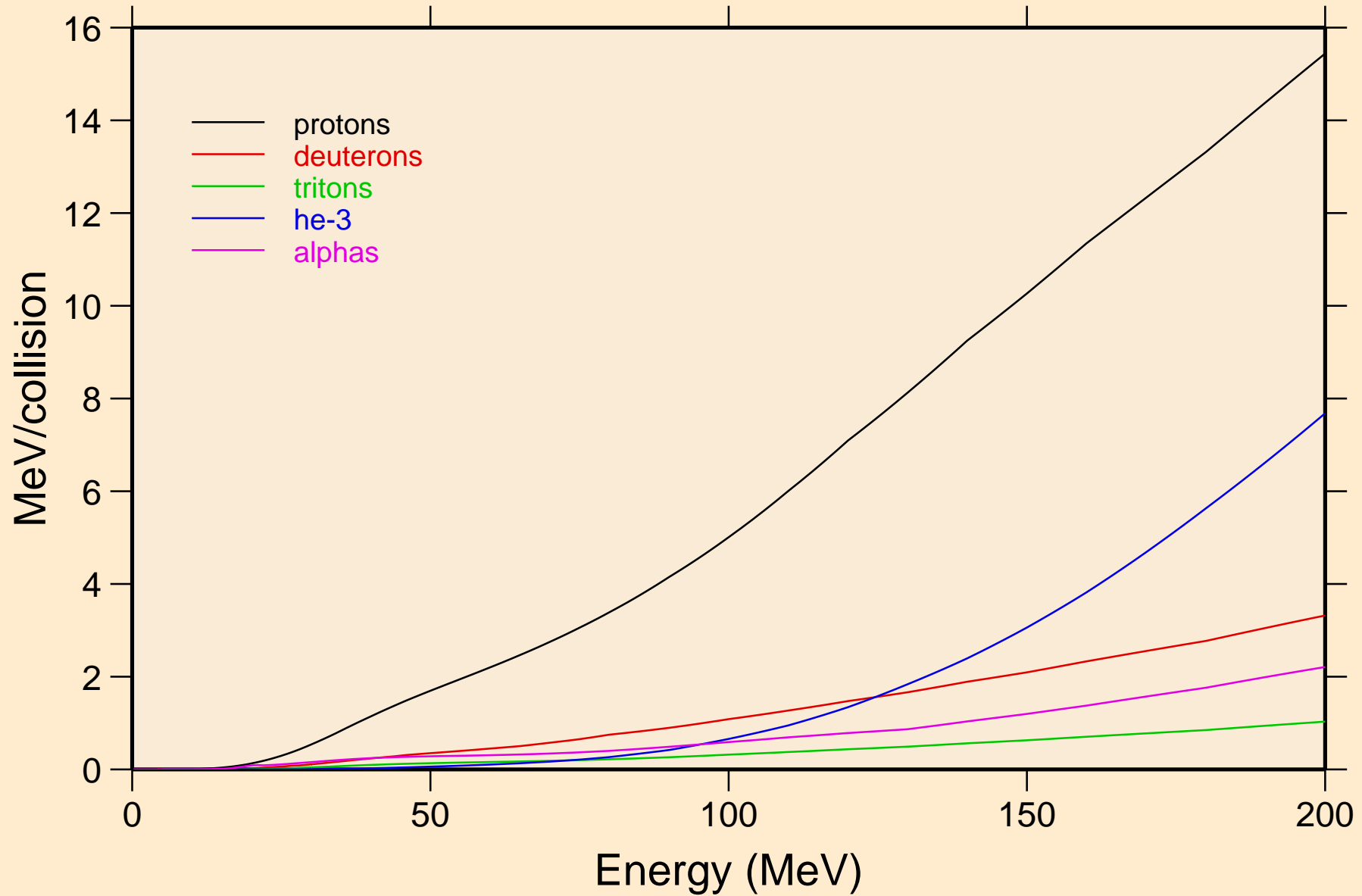


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

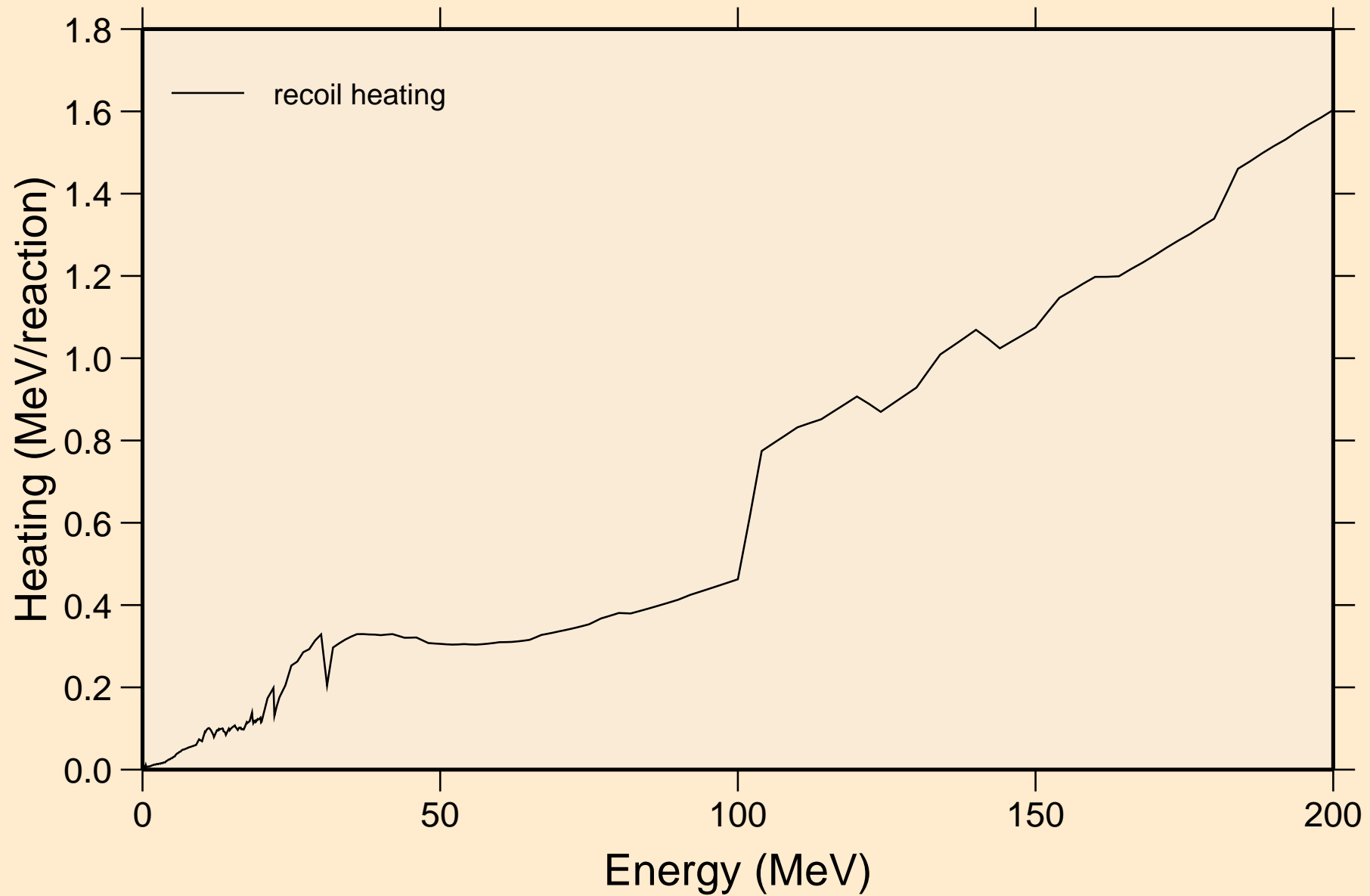


# ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

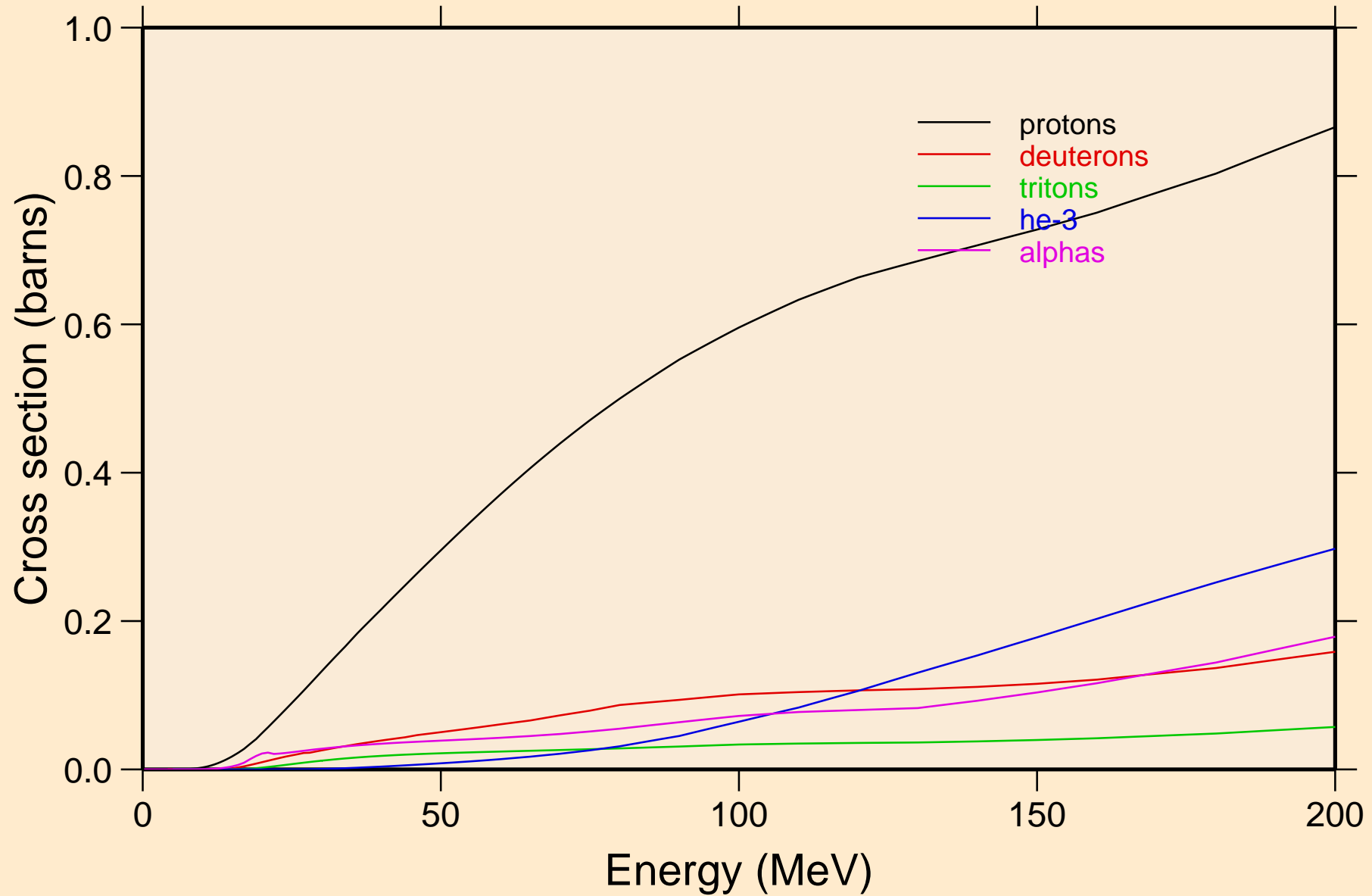
## Particle heating contributions



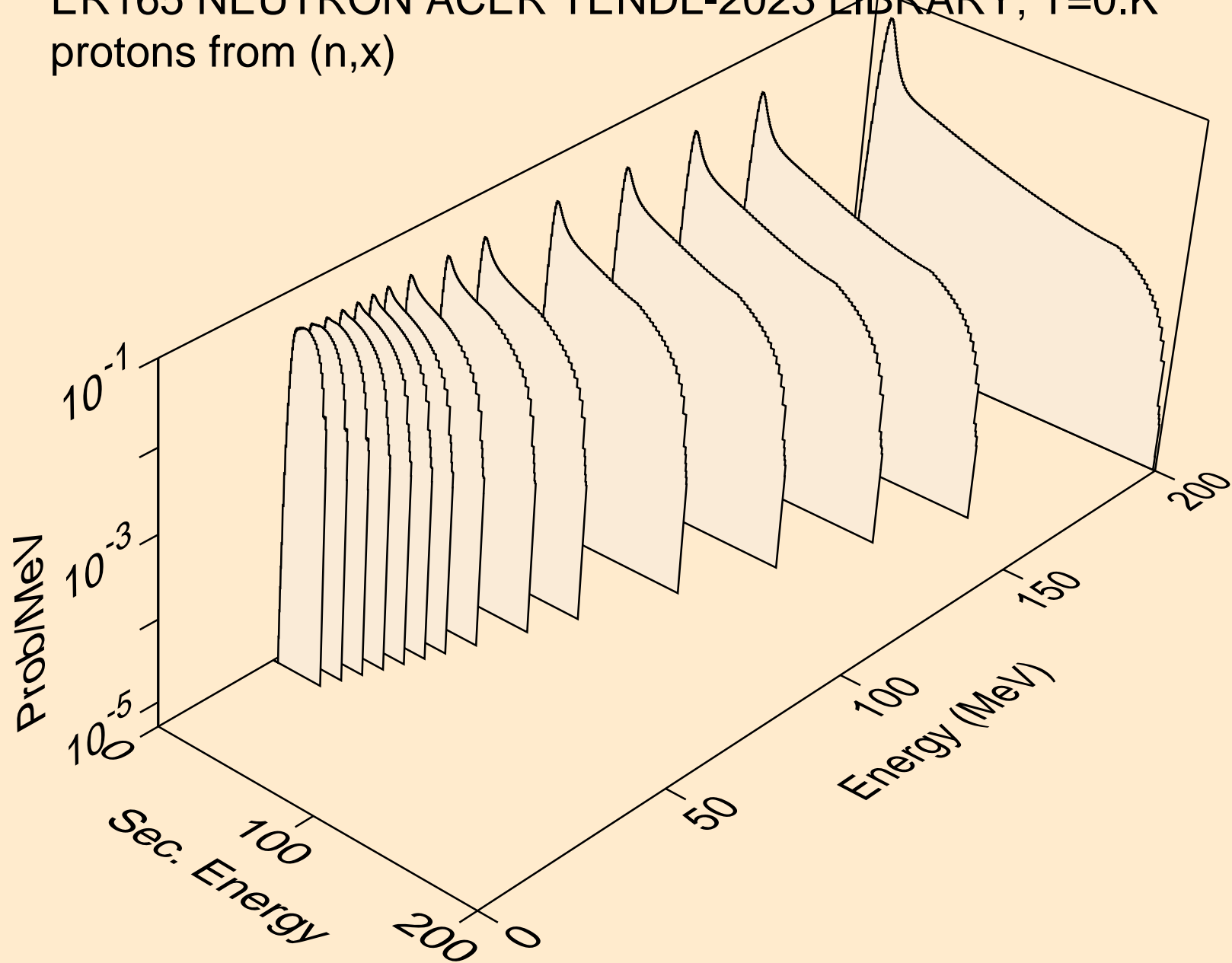
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



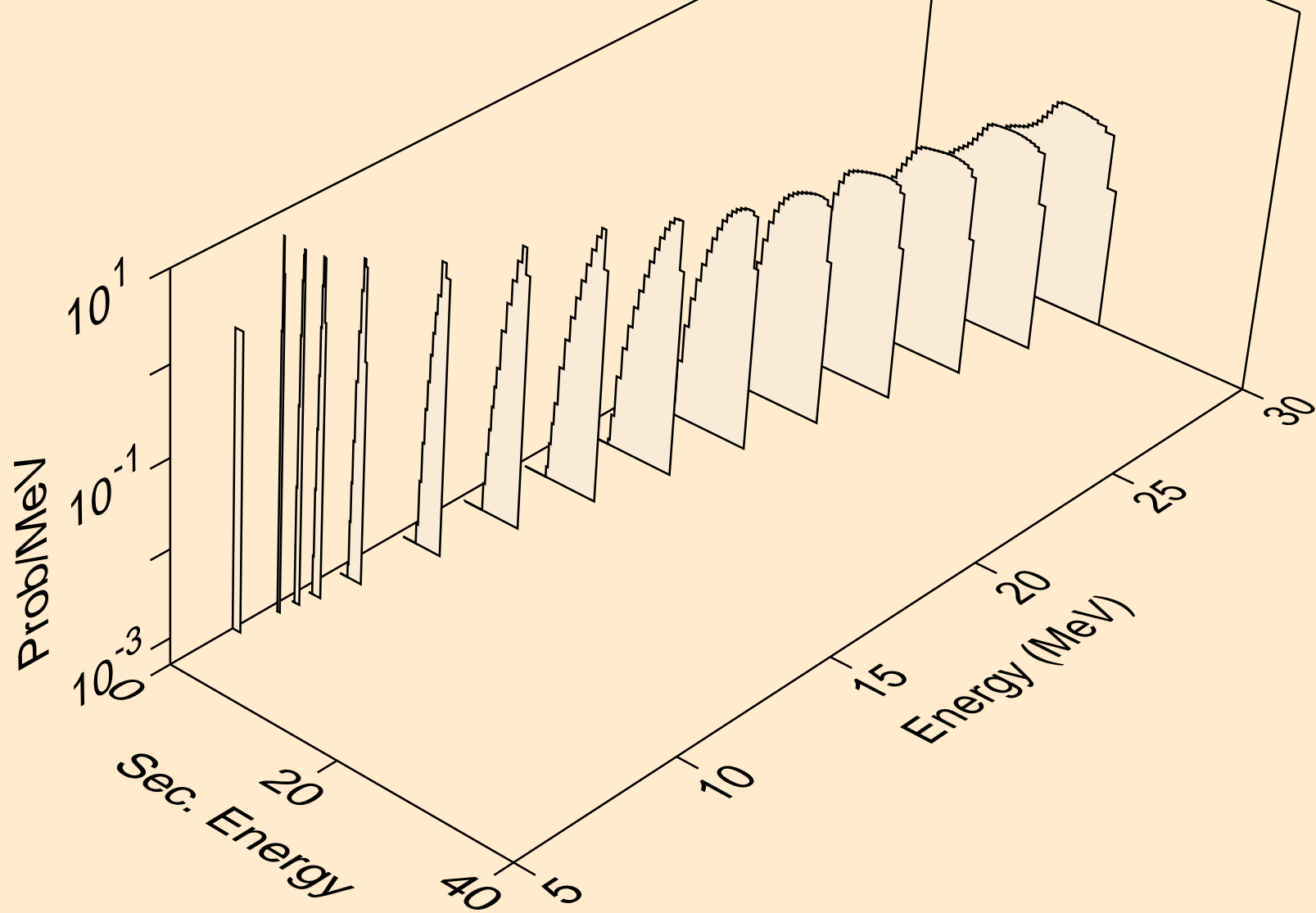
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

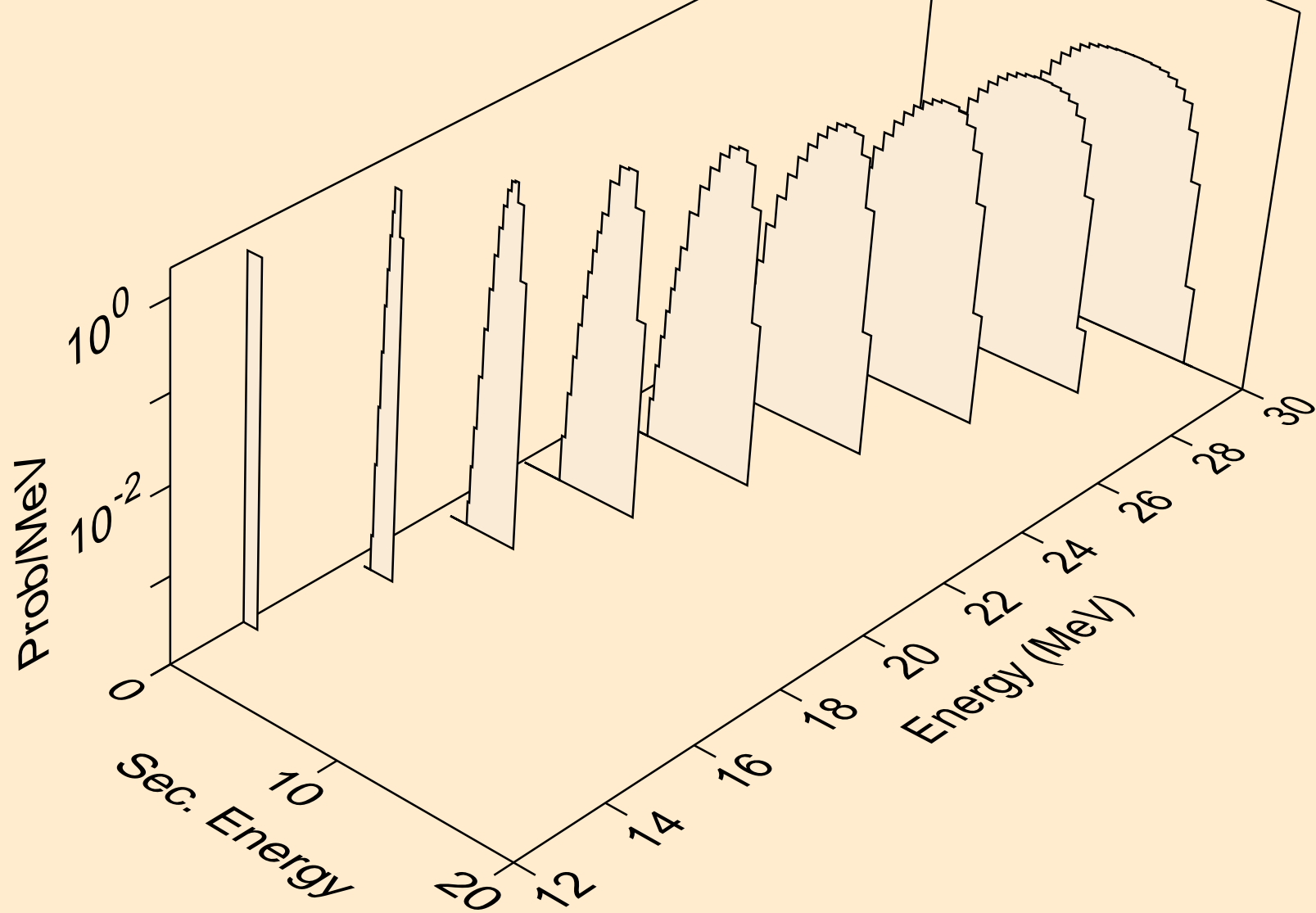


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

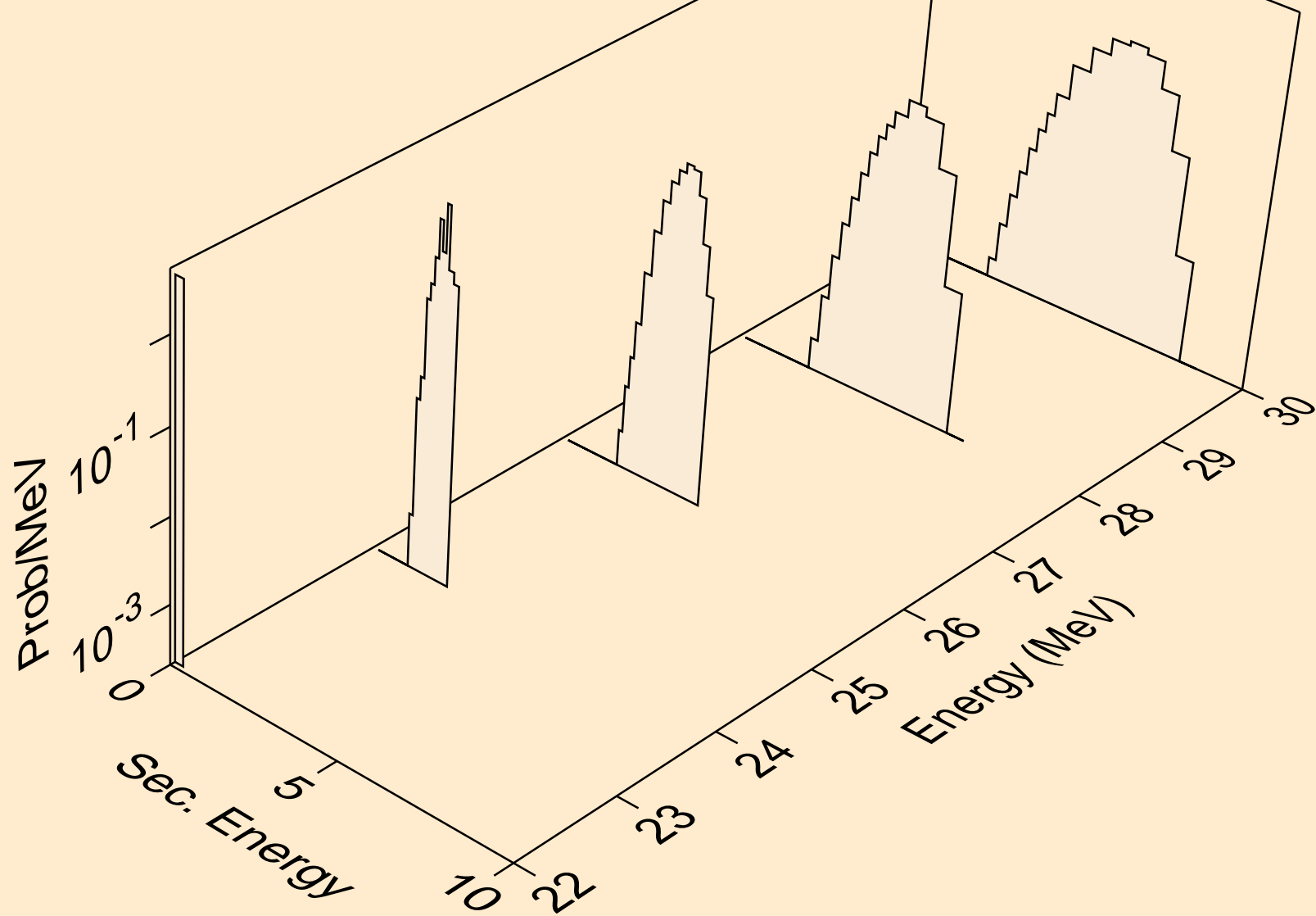




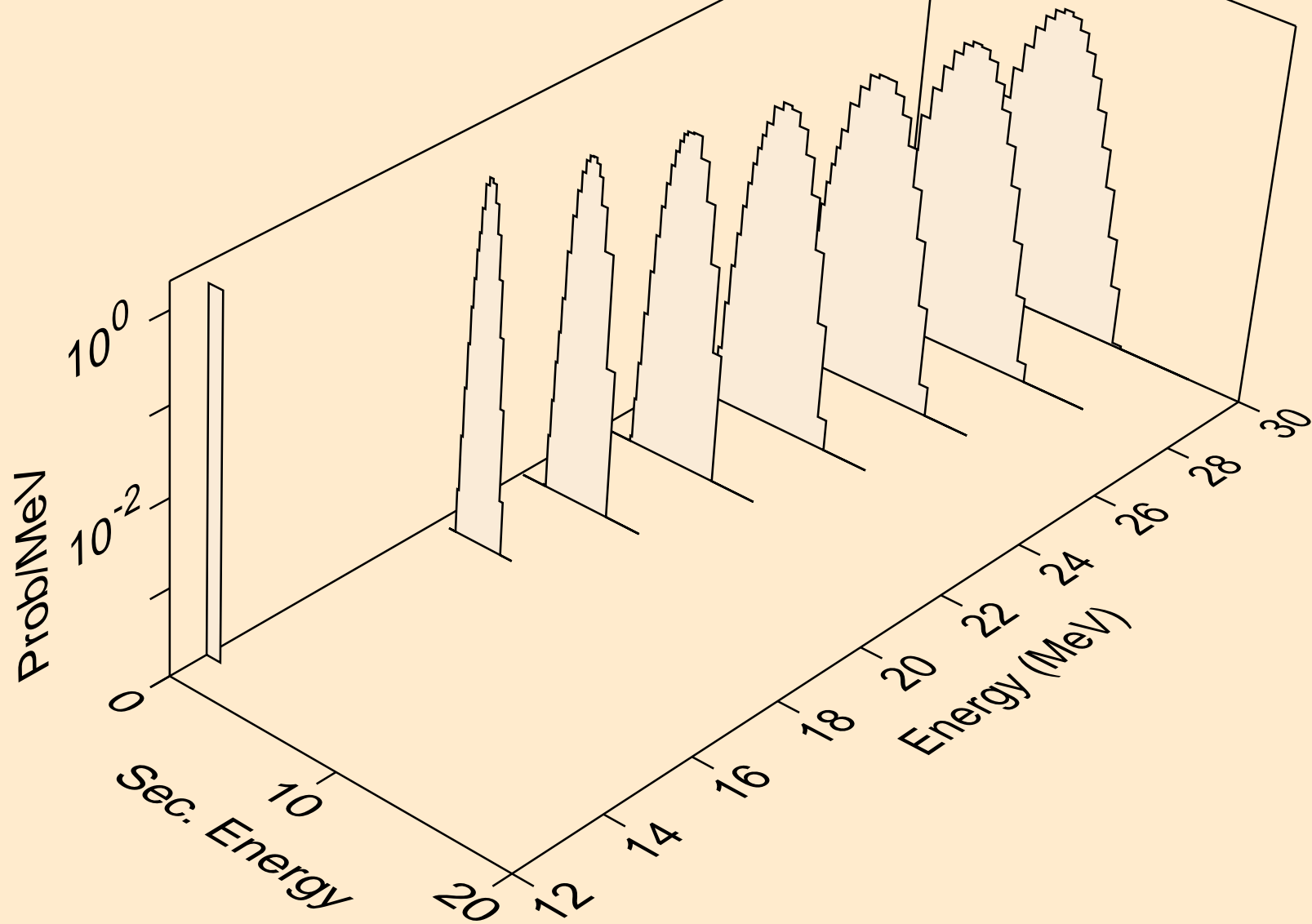
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



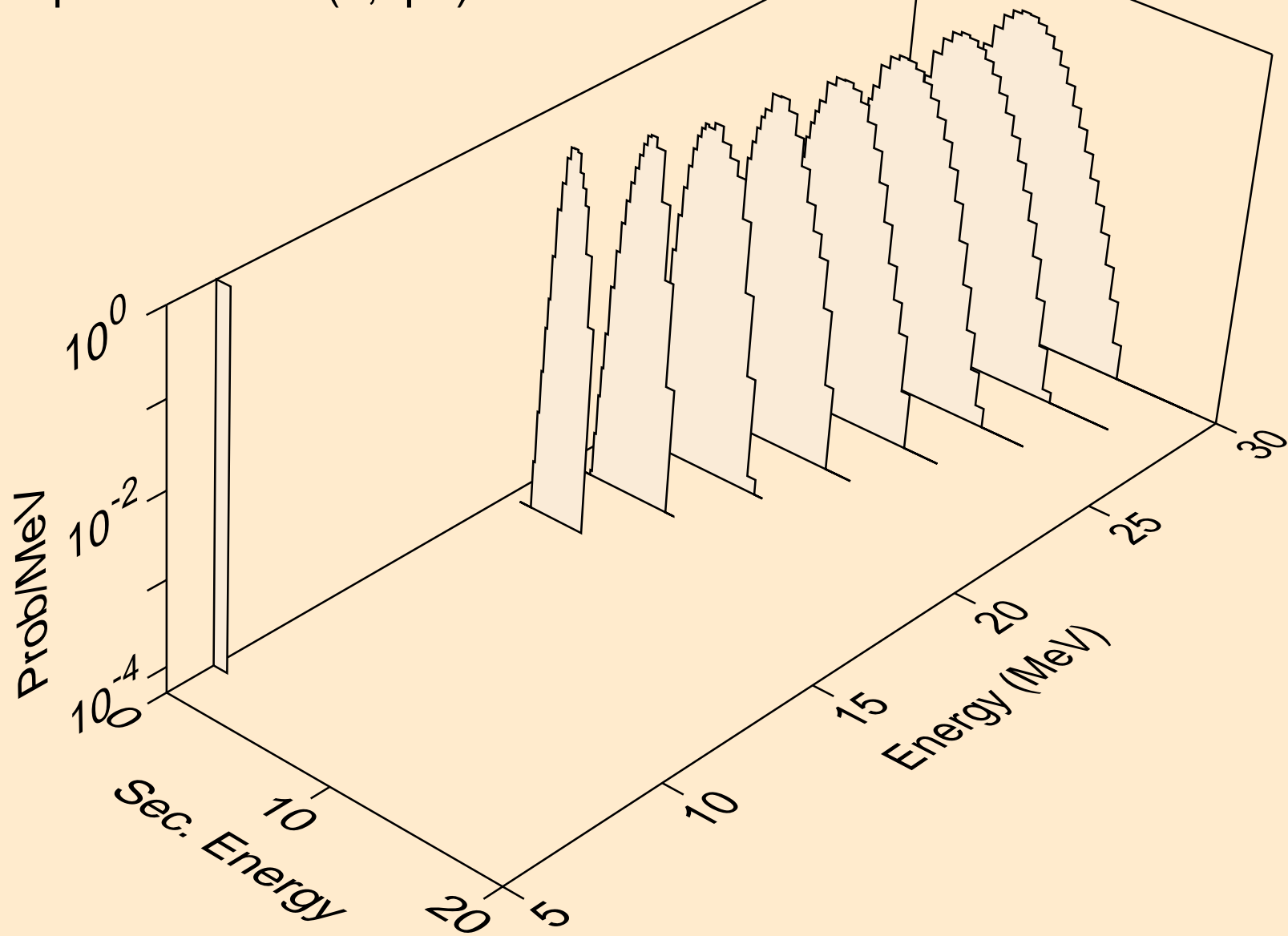
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



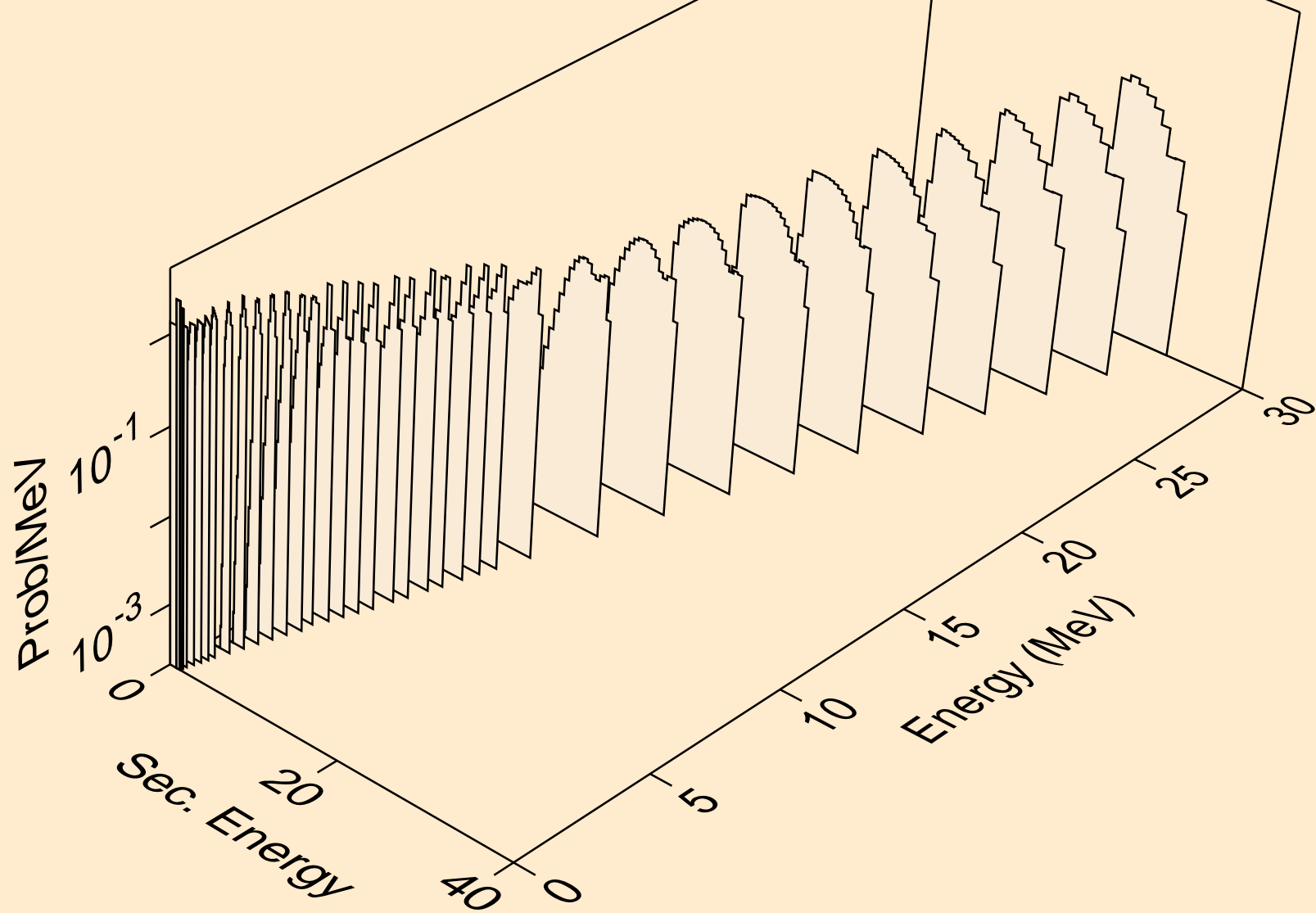
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protons from (n,n2p)



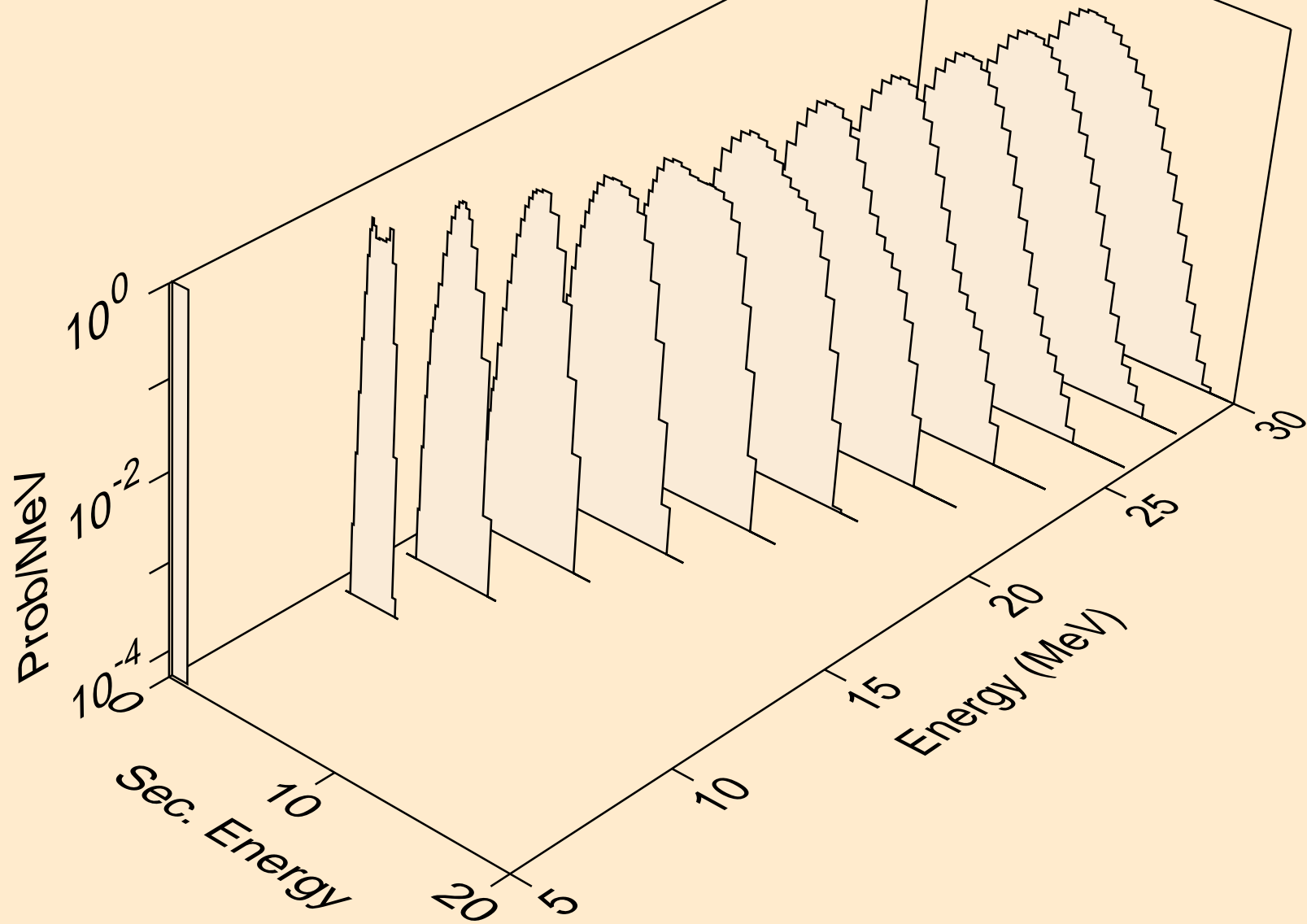
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protons from (n,npa)



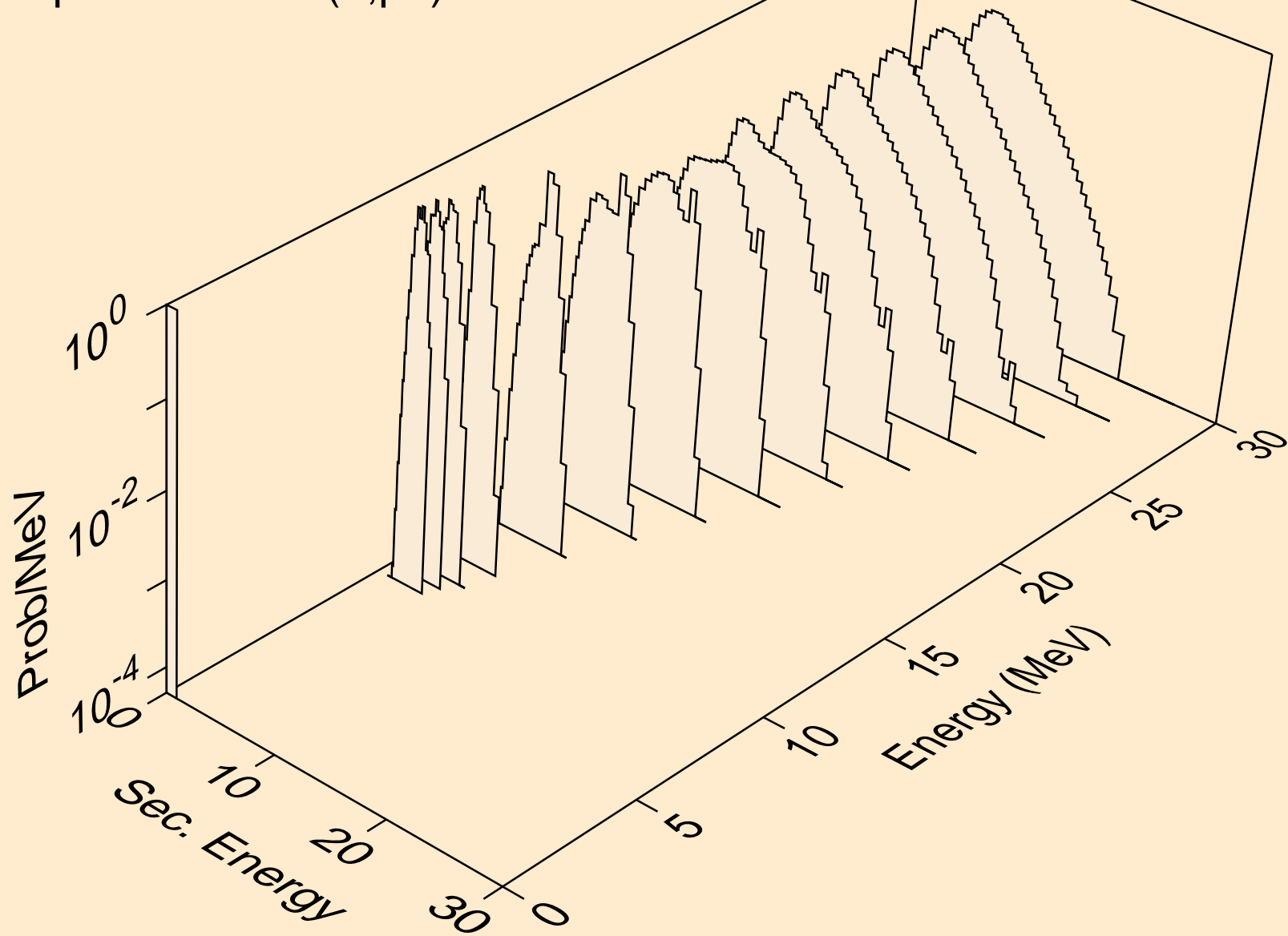
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protons from (n,p)



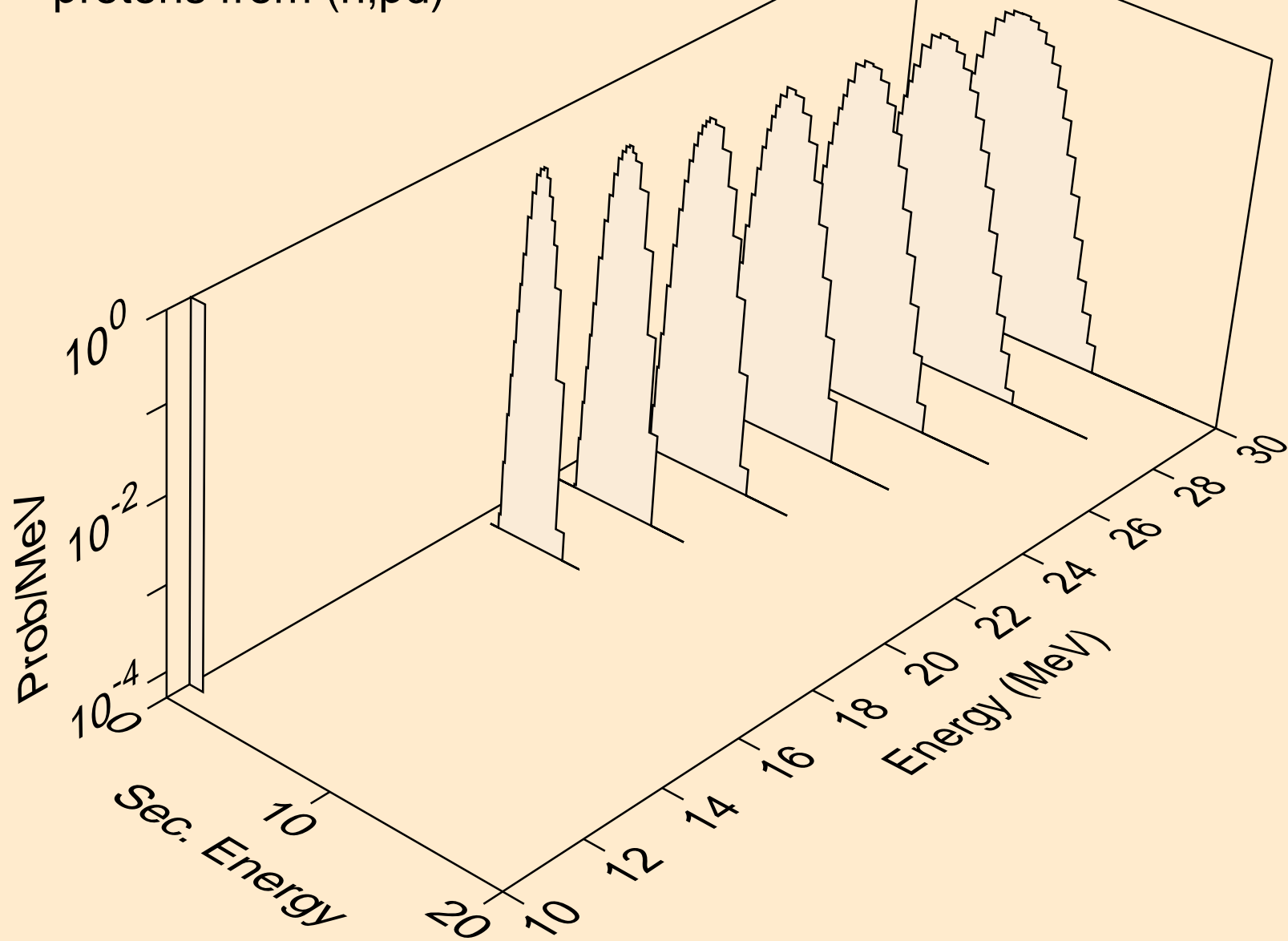
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pa)

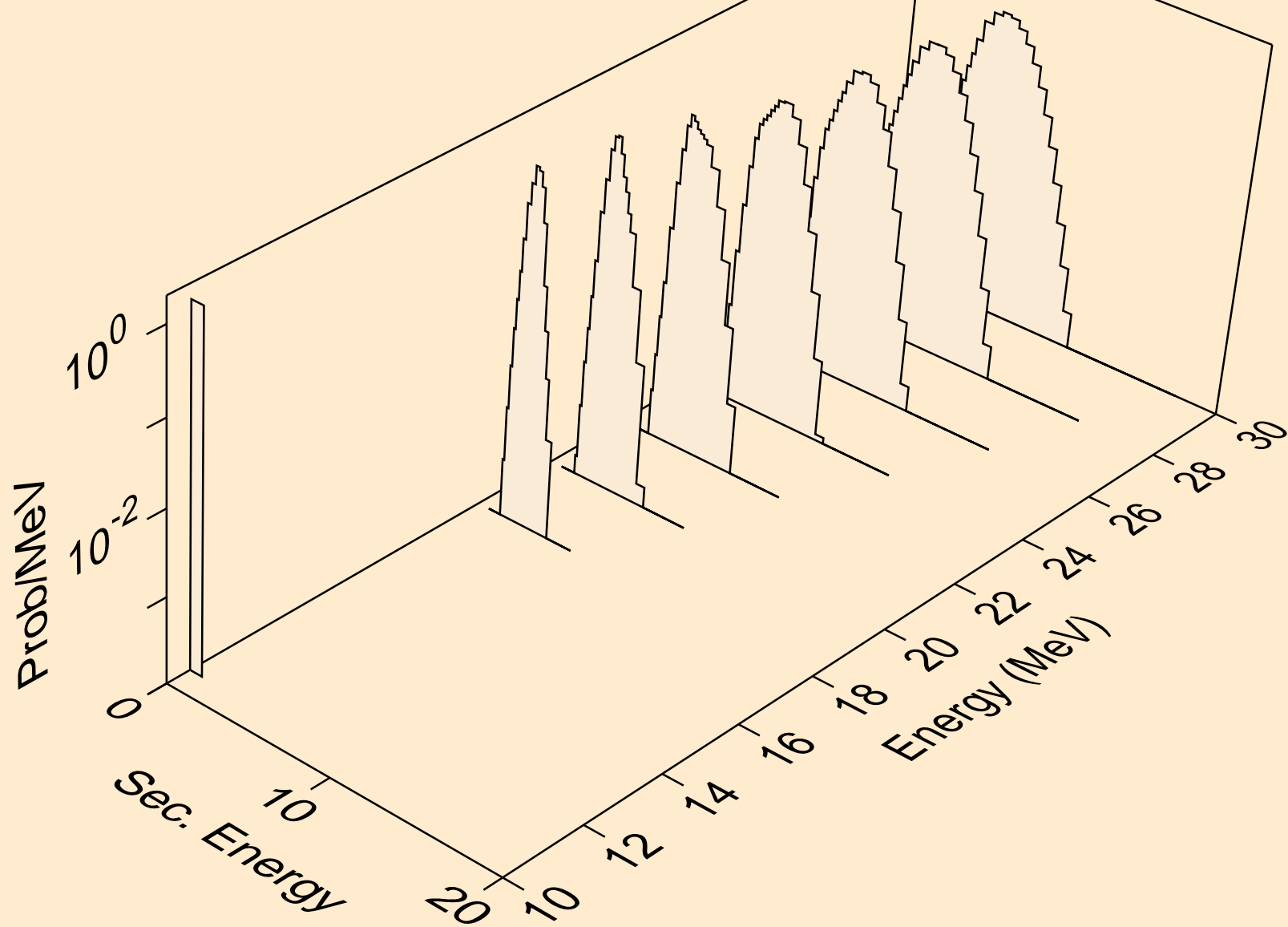


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)

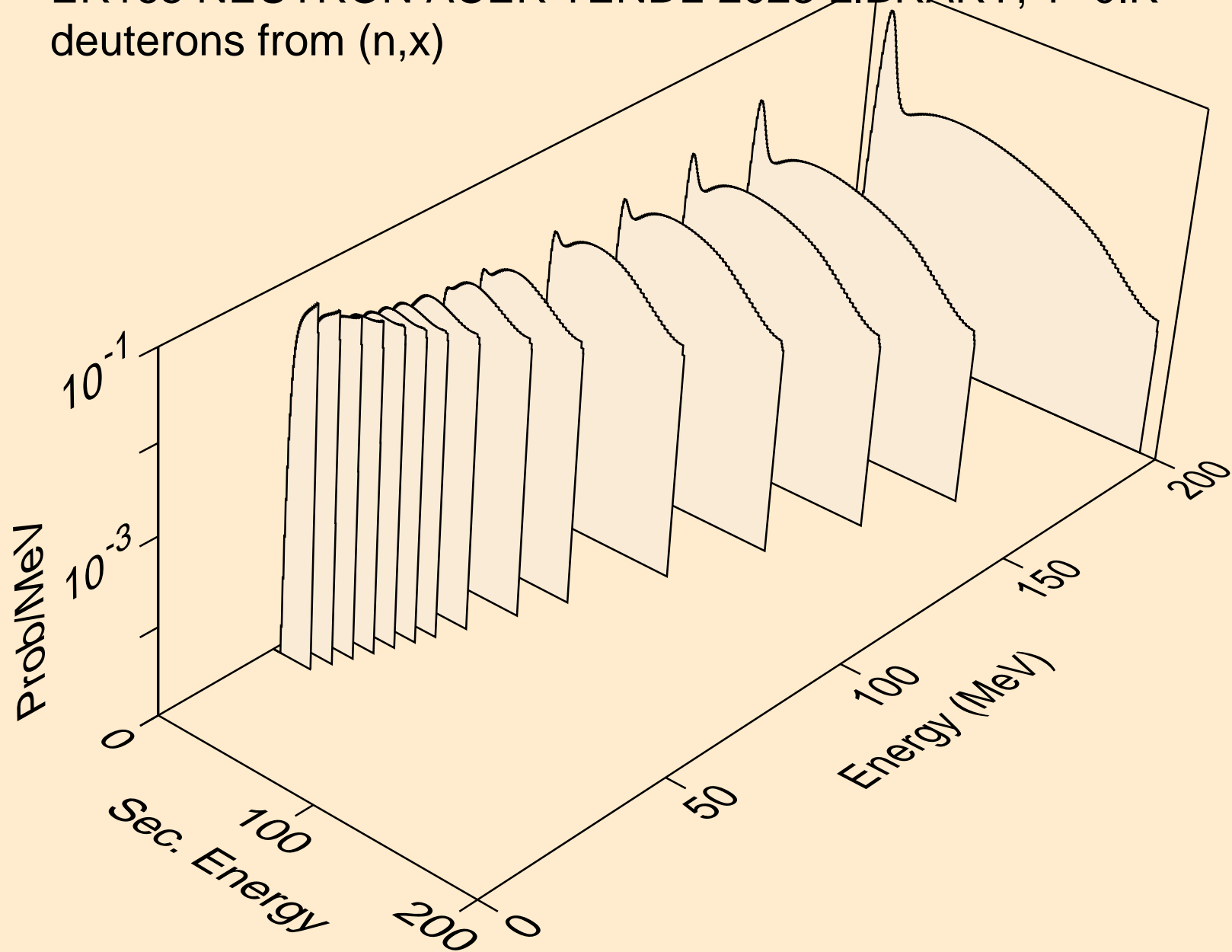




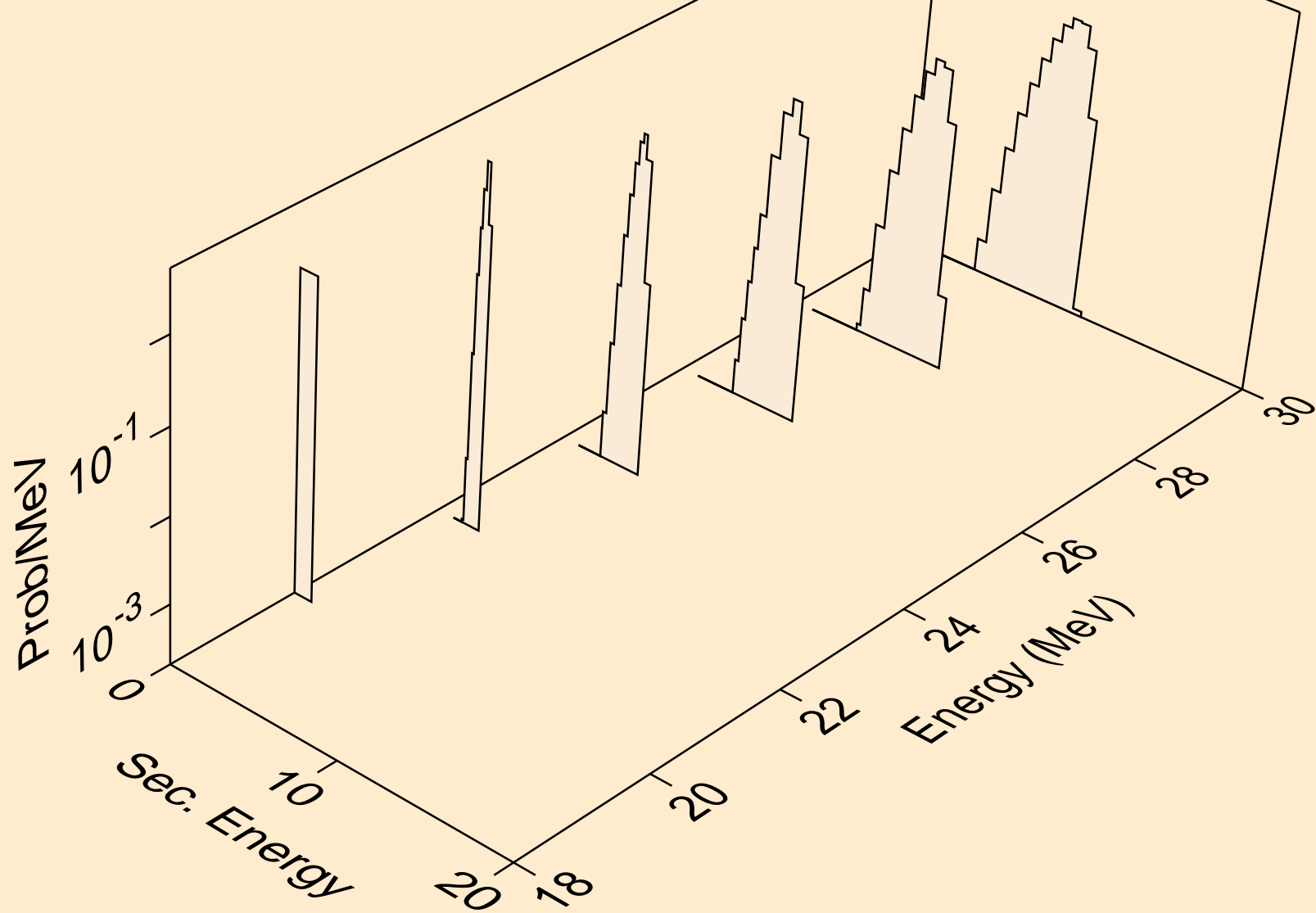
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protons from (n,pt)



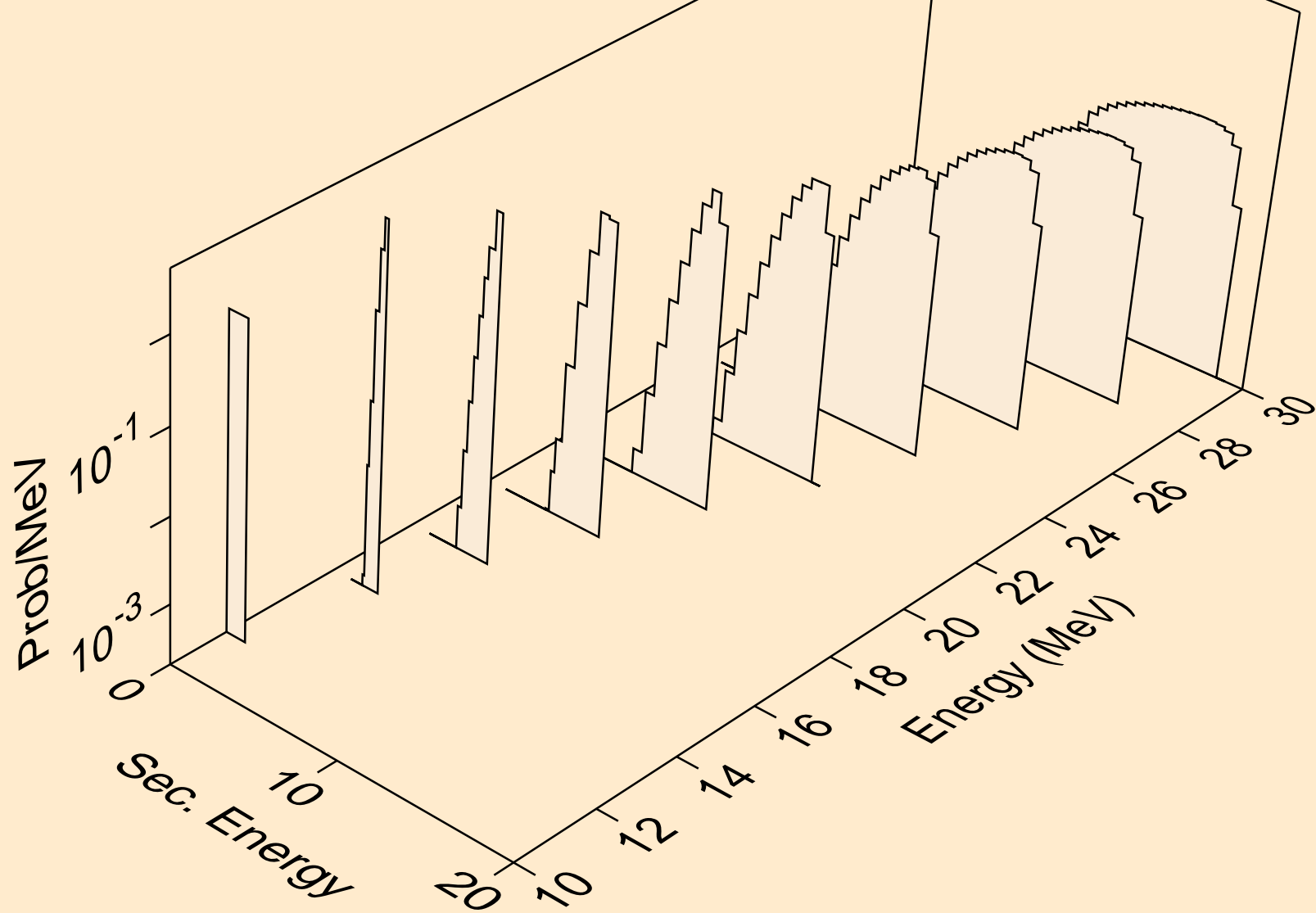
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



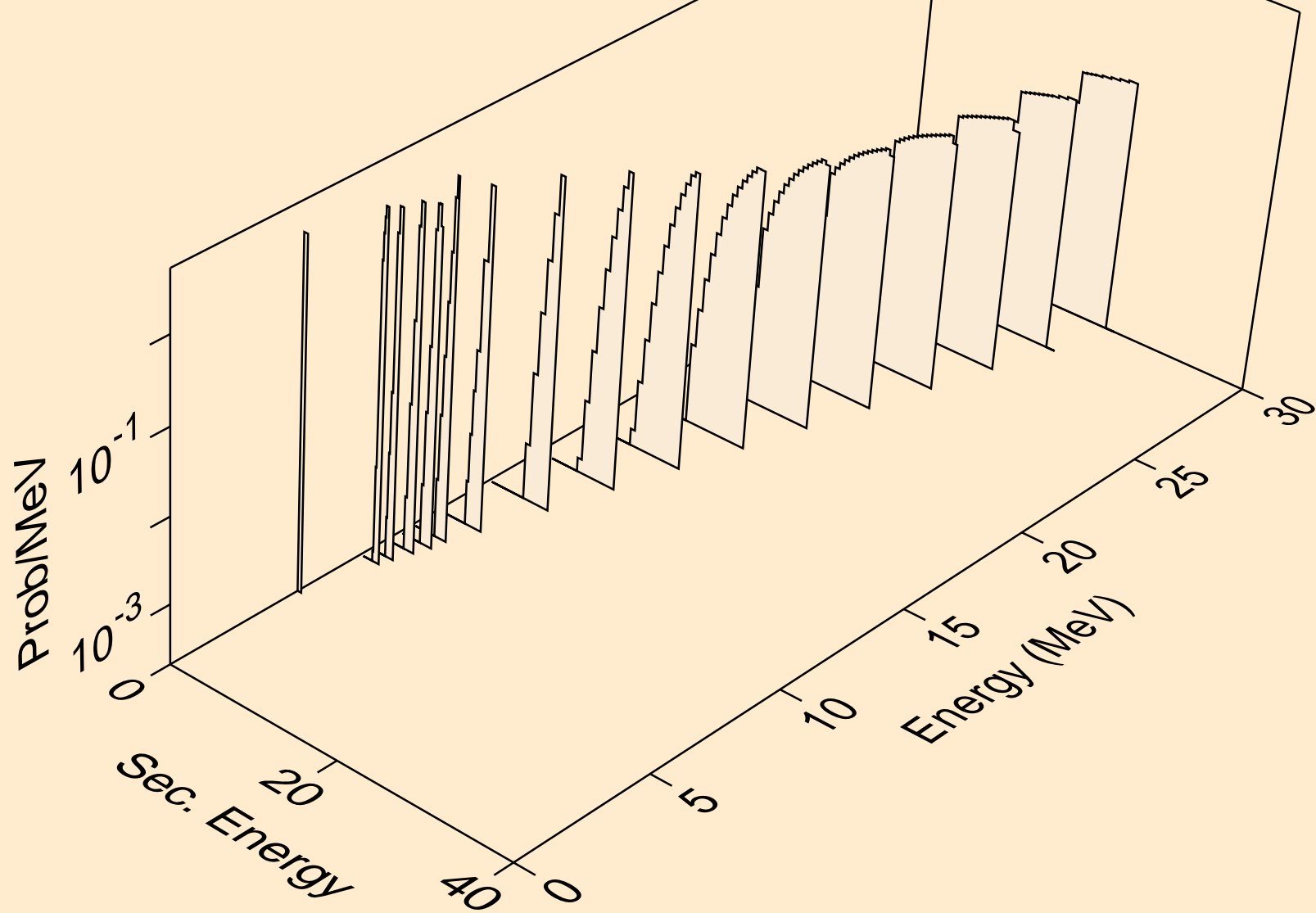
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)



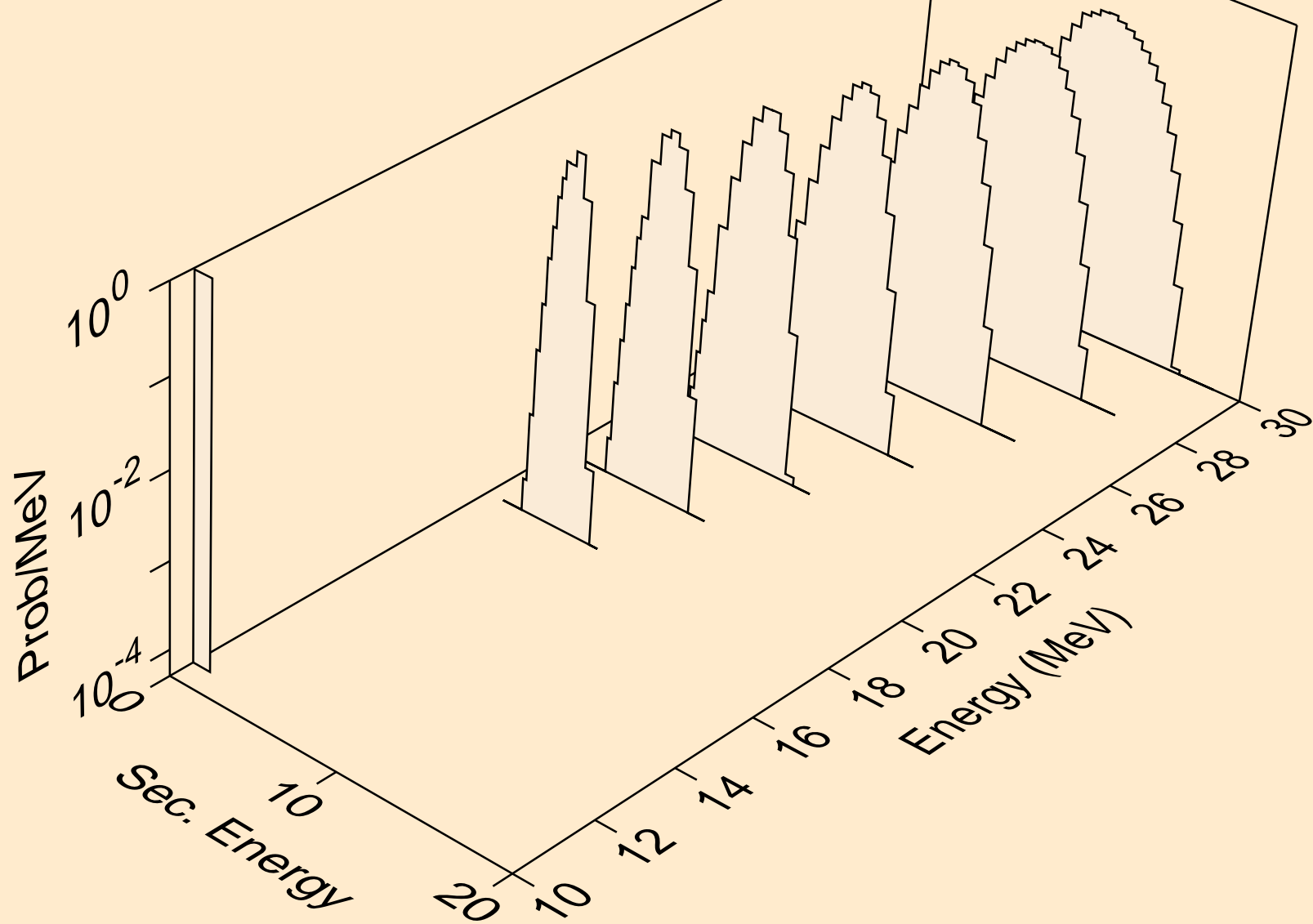
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



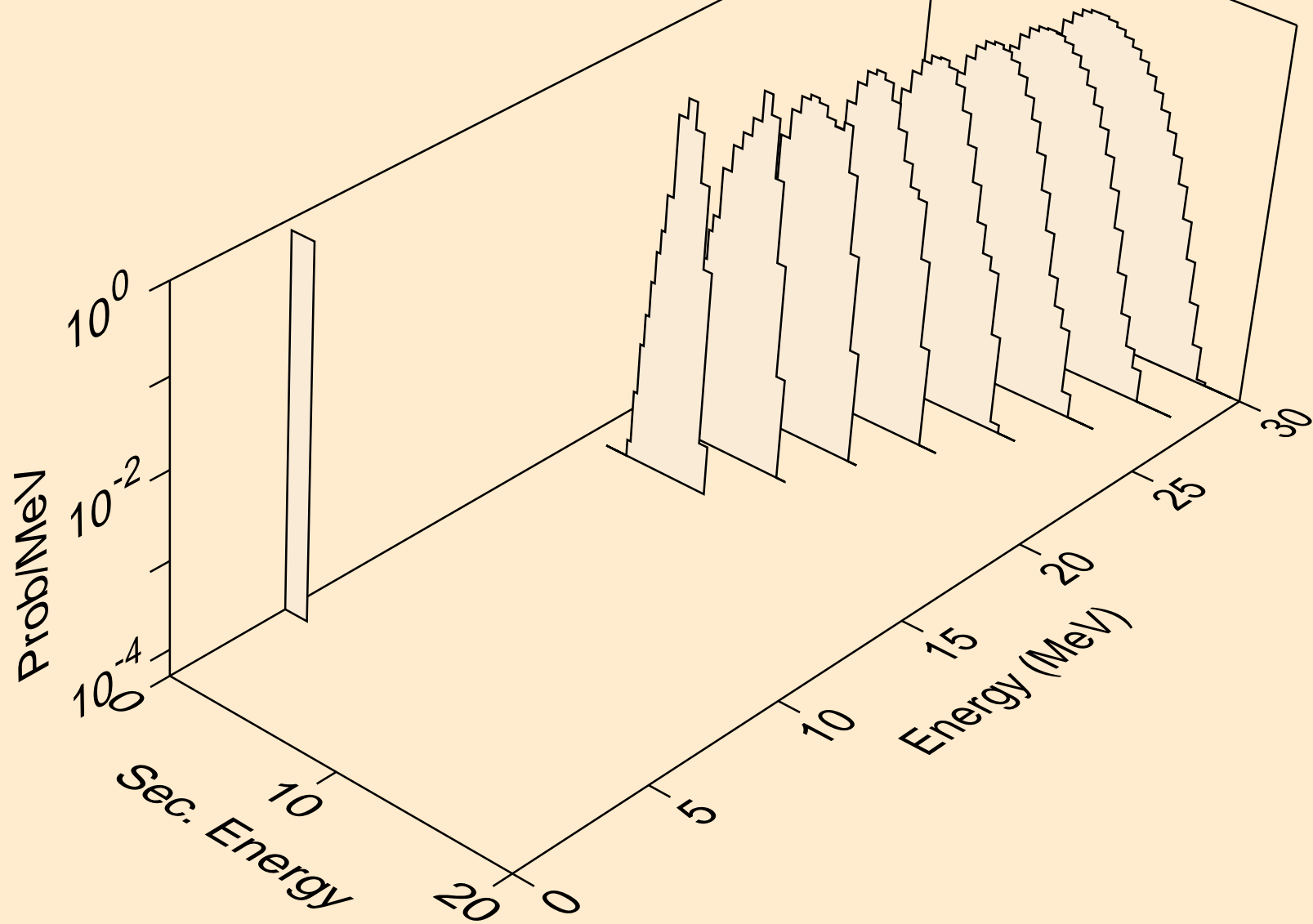
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deuterons from (n,d)



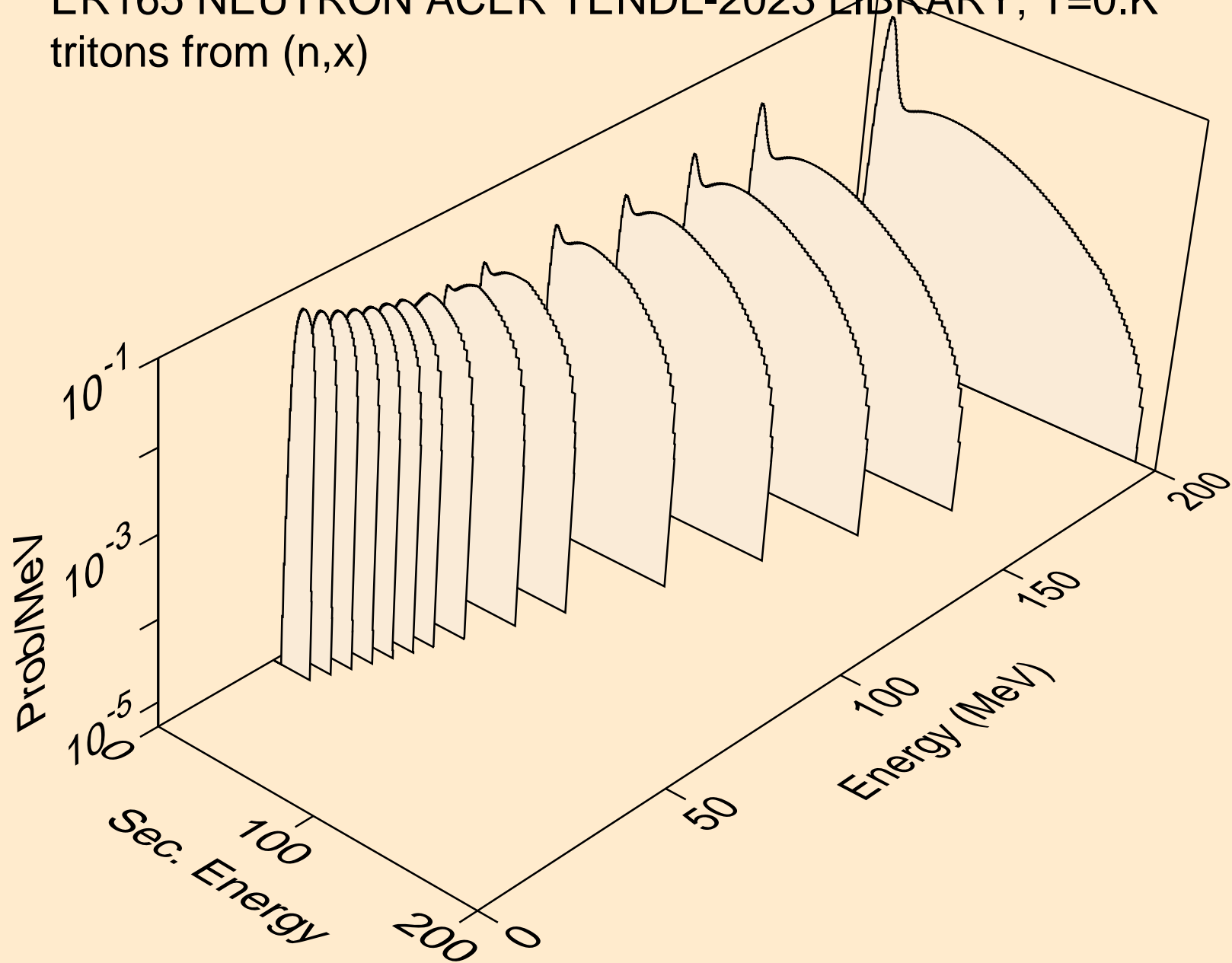
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,pd)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)

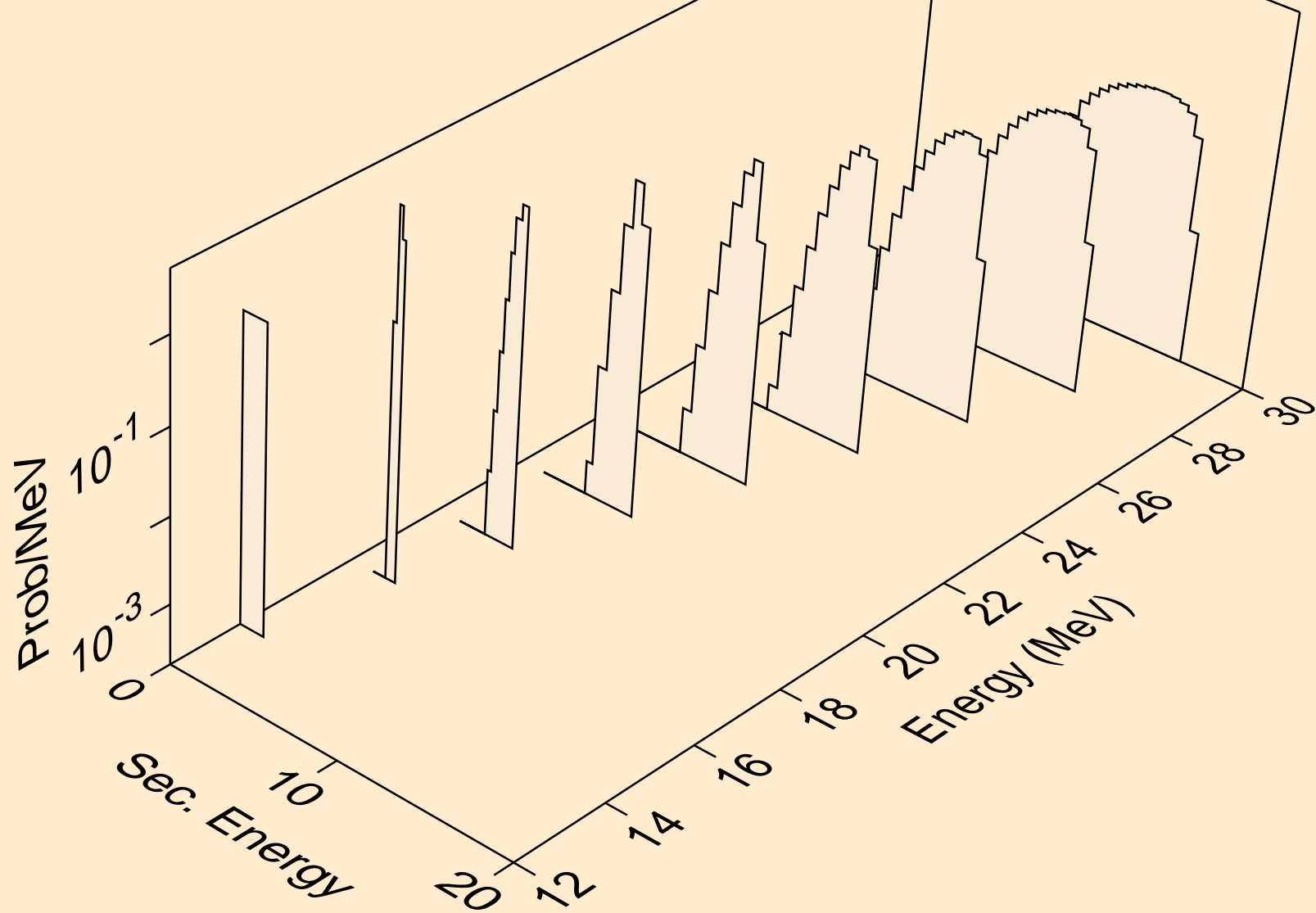


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)

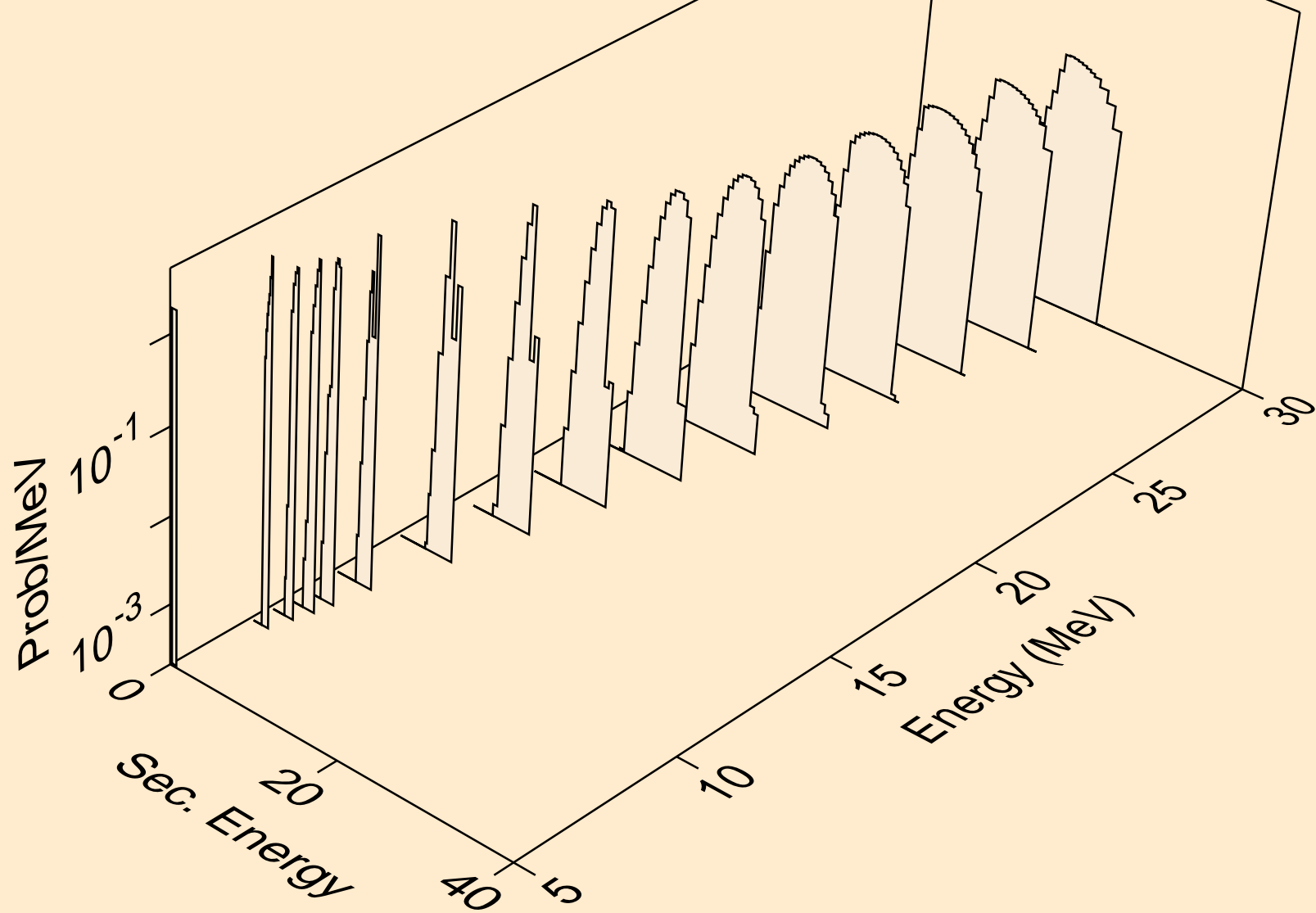




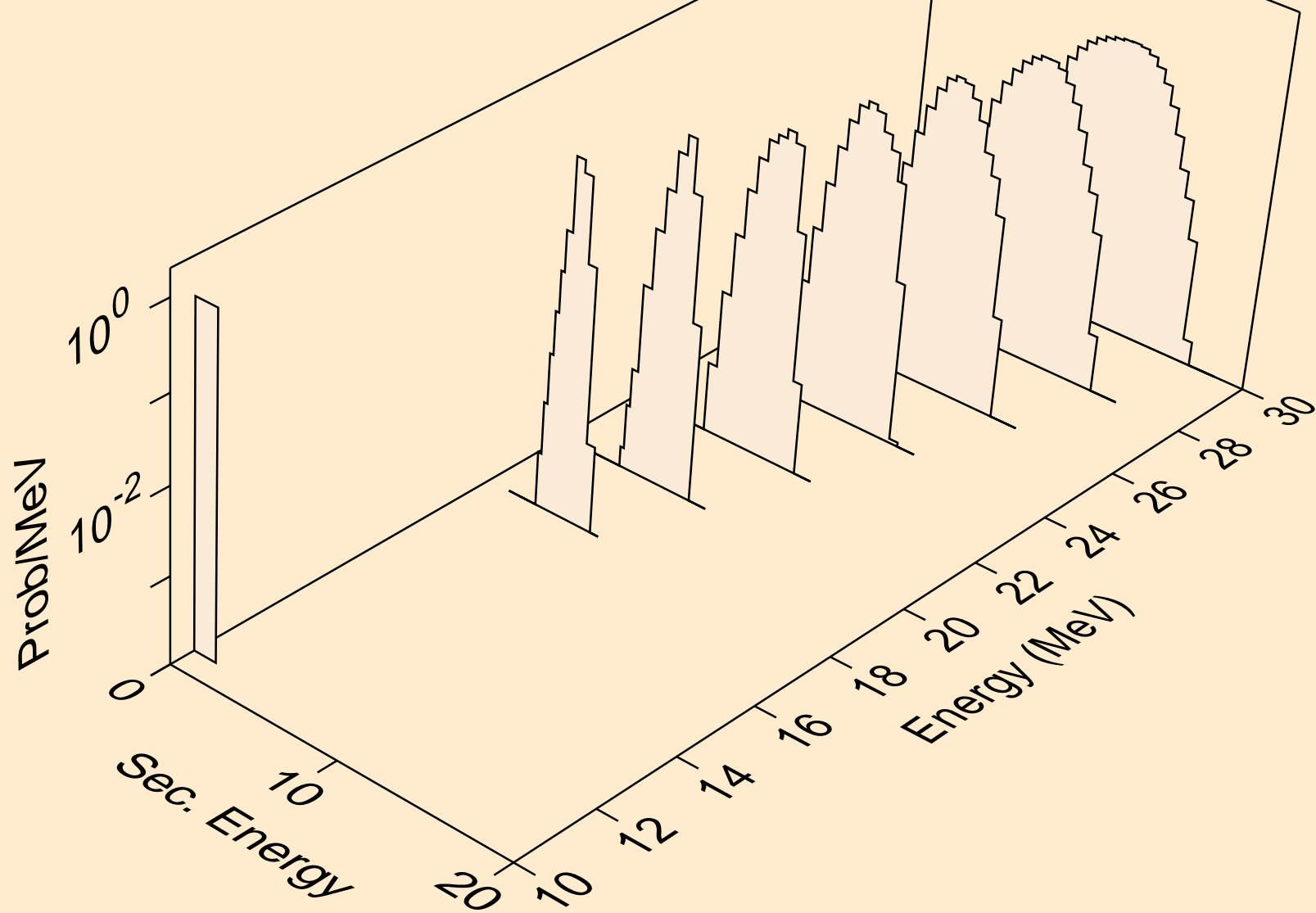
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



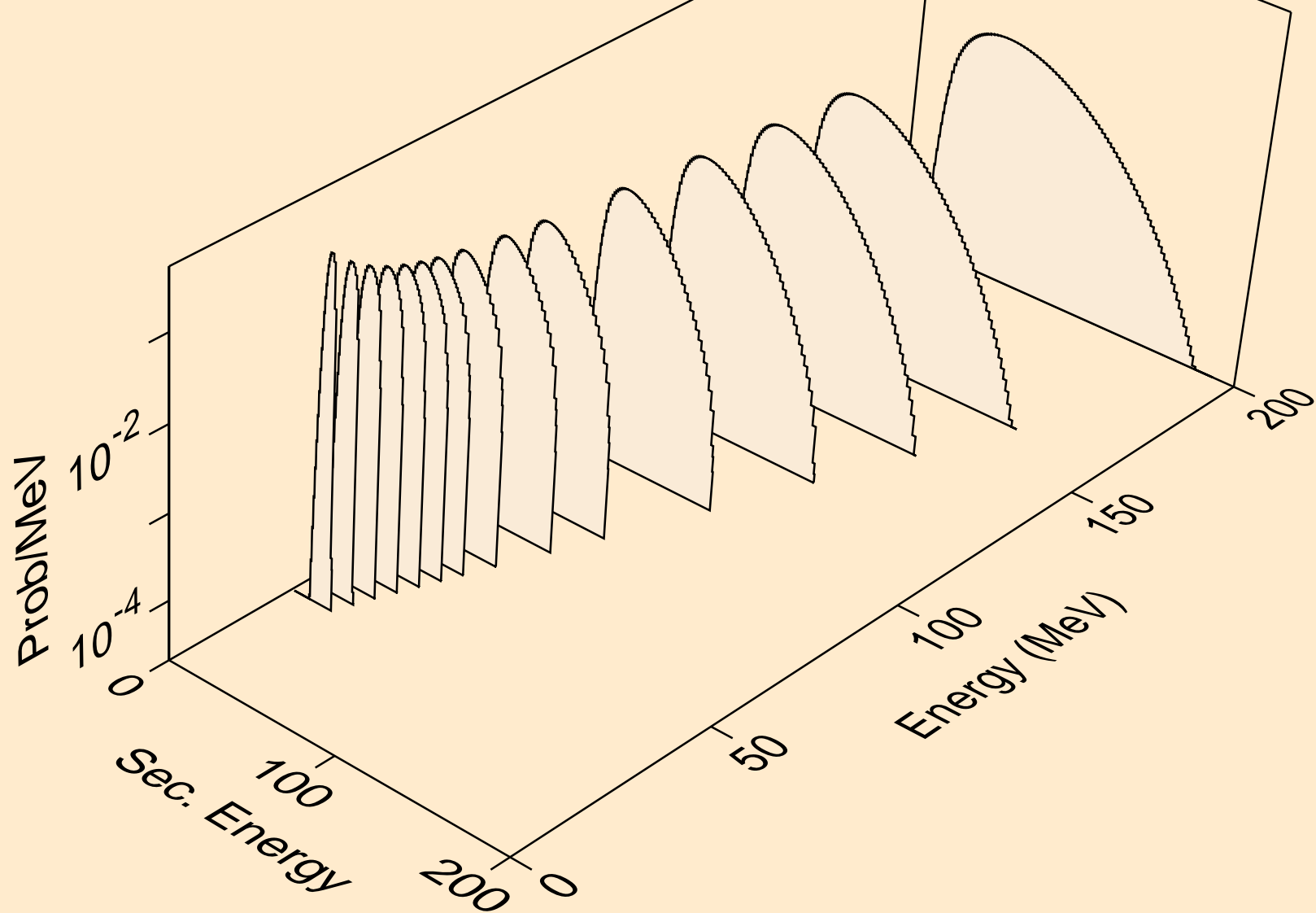
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tritons from (n,t)



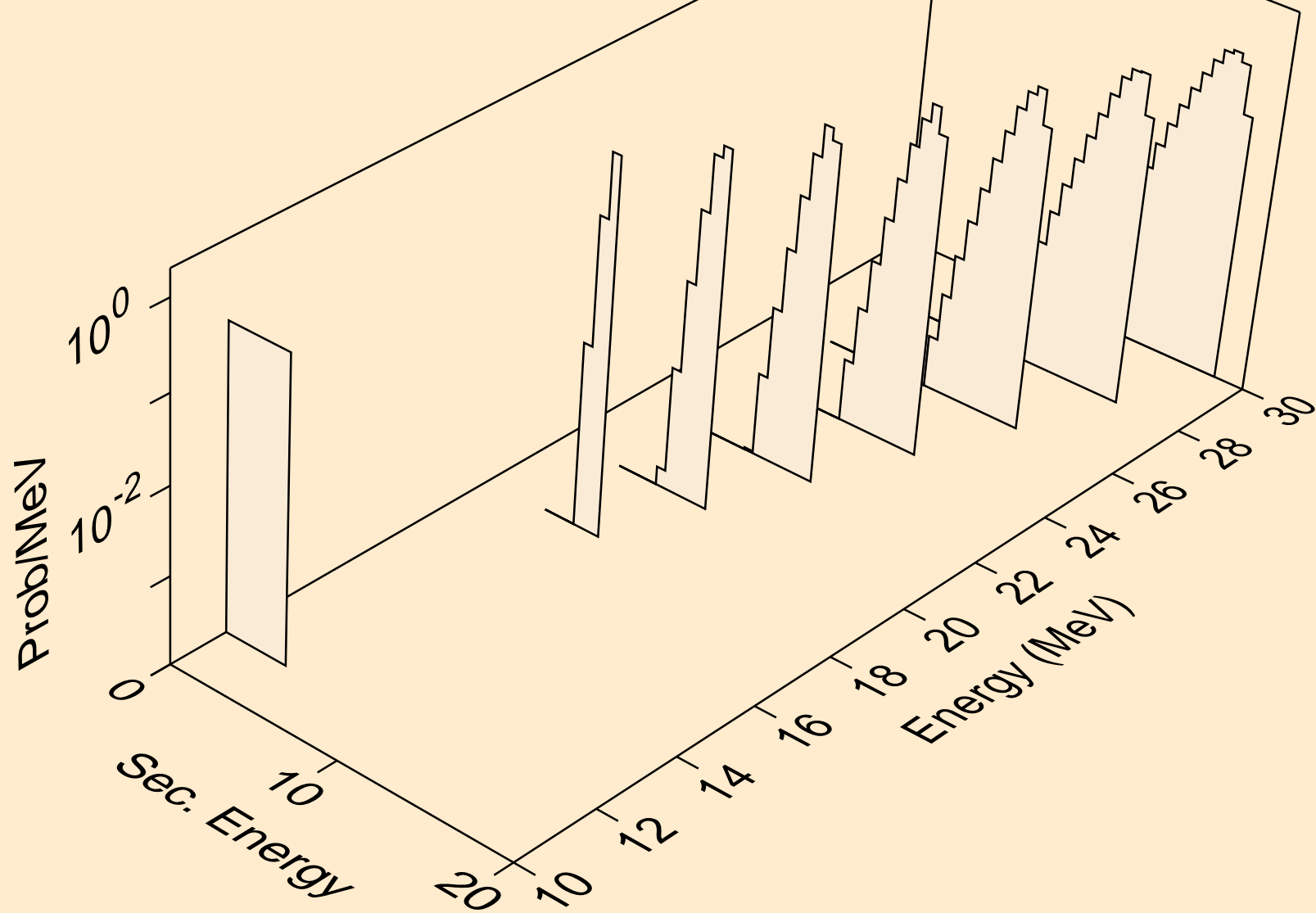
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



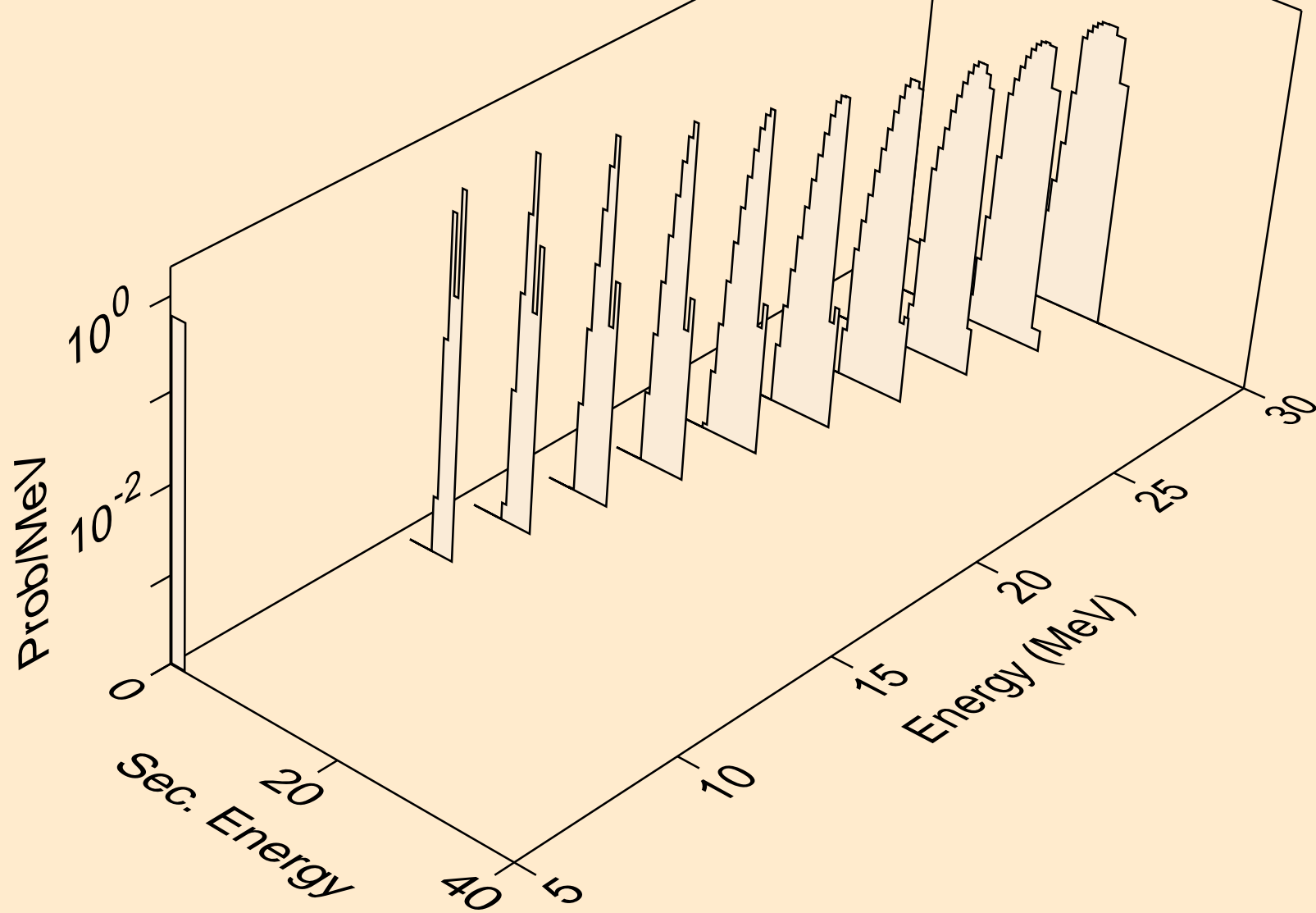
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



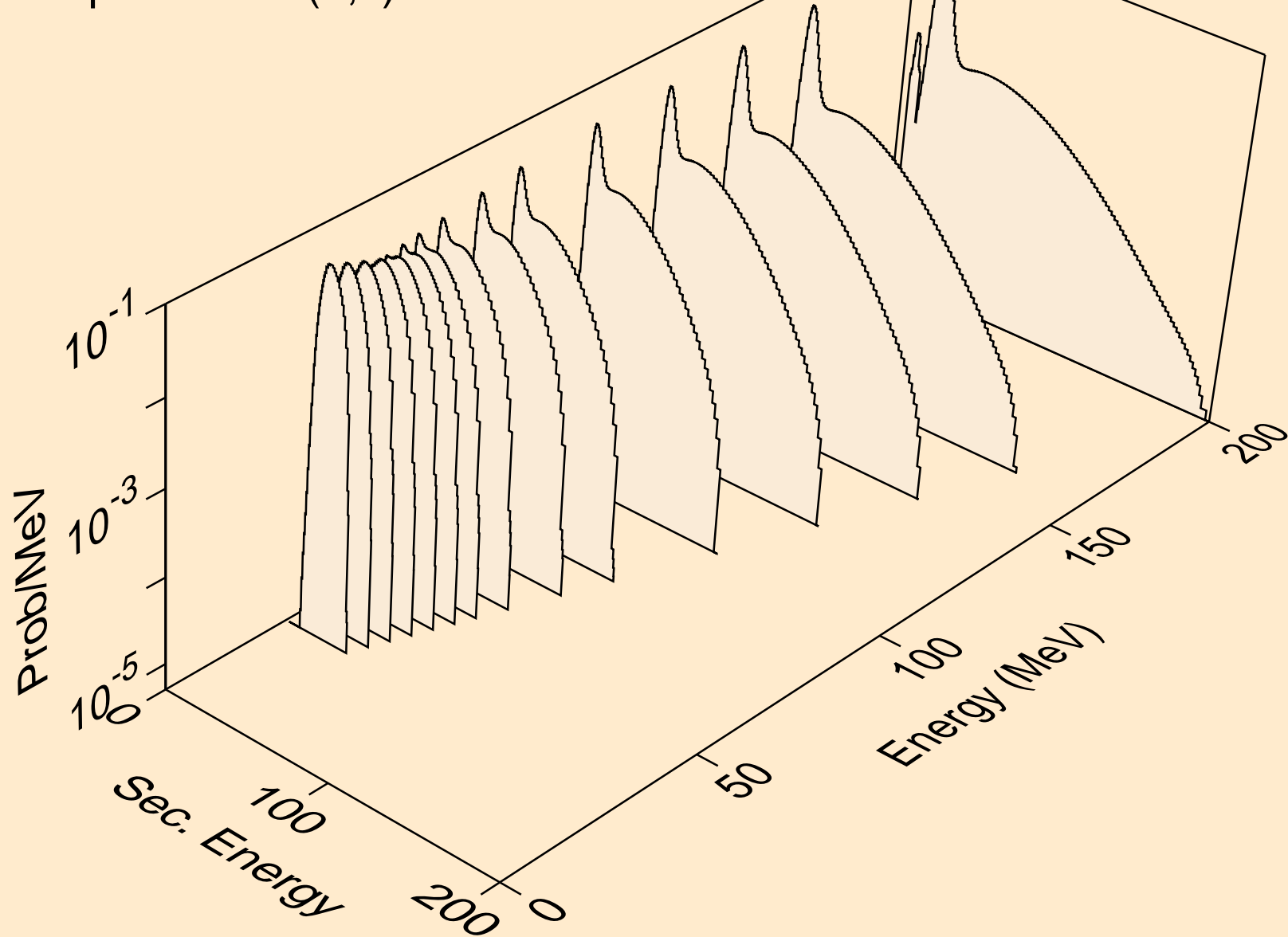
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he3s from (n,n\*)he3



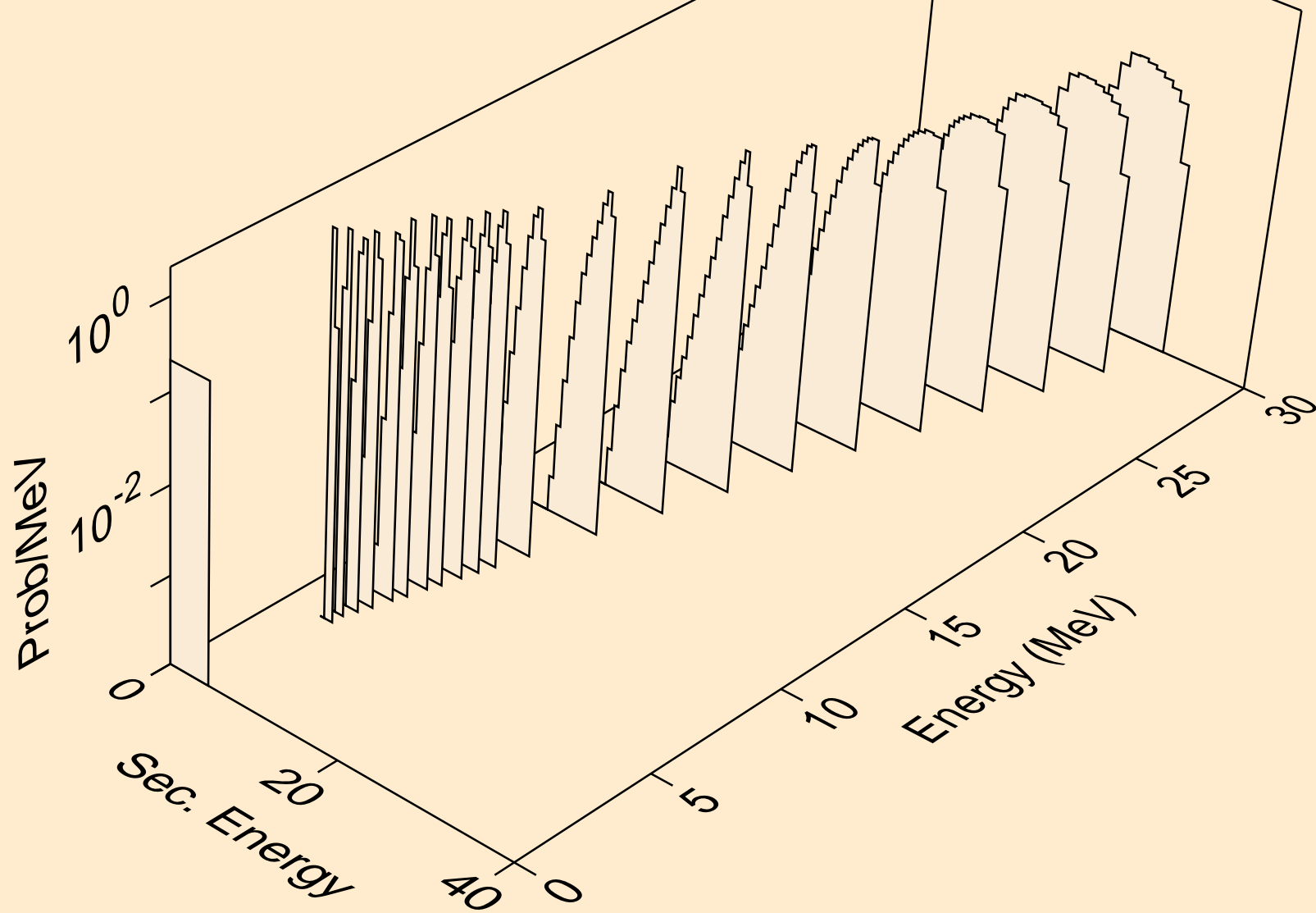
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)

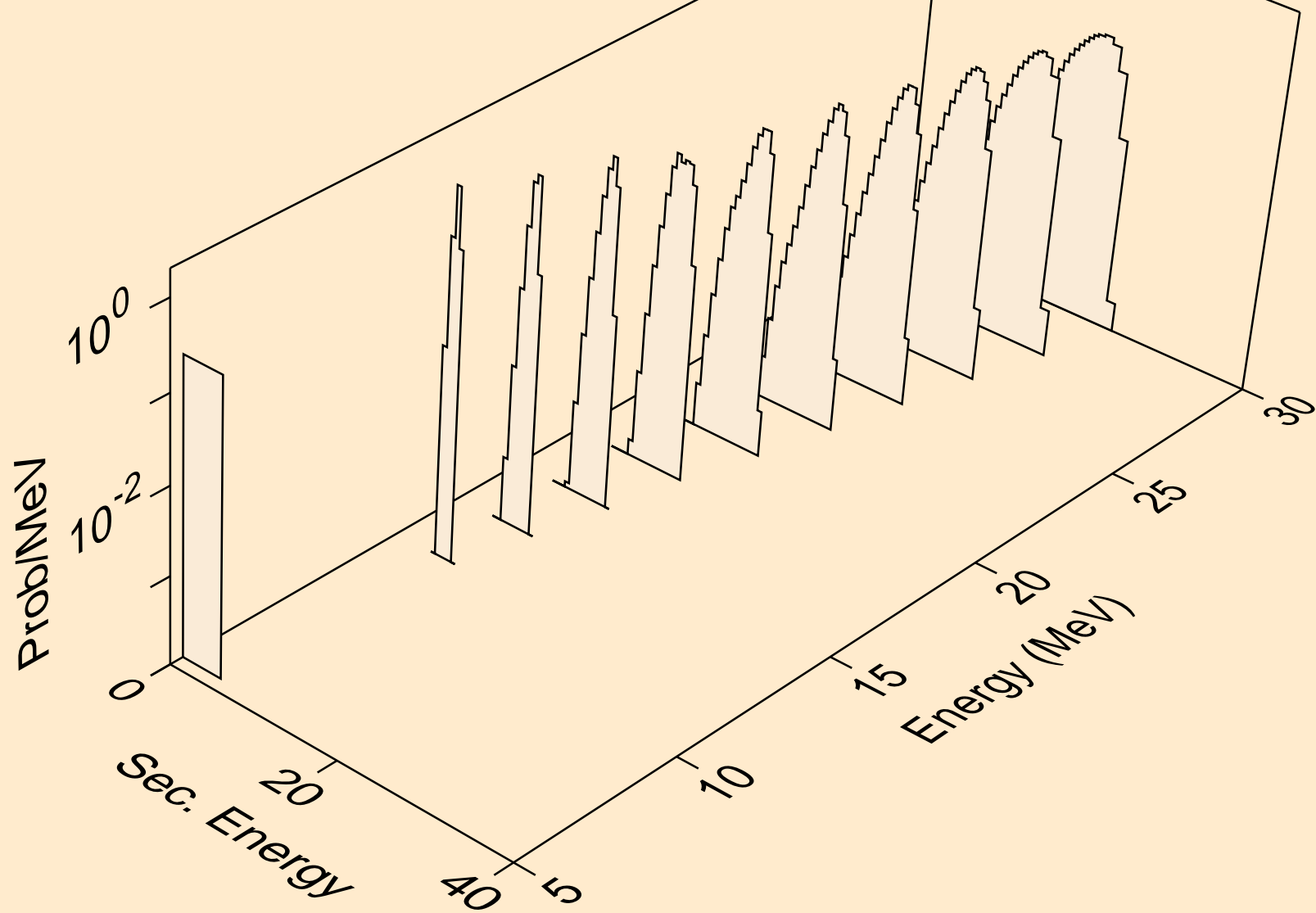


ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

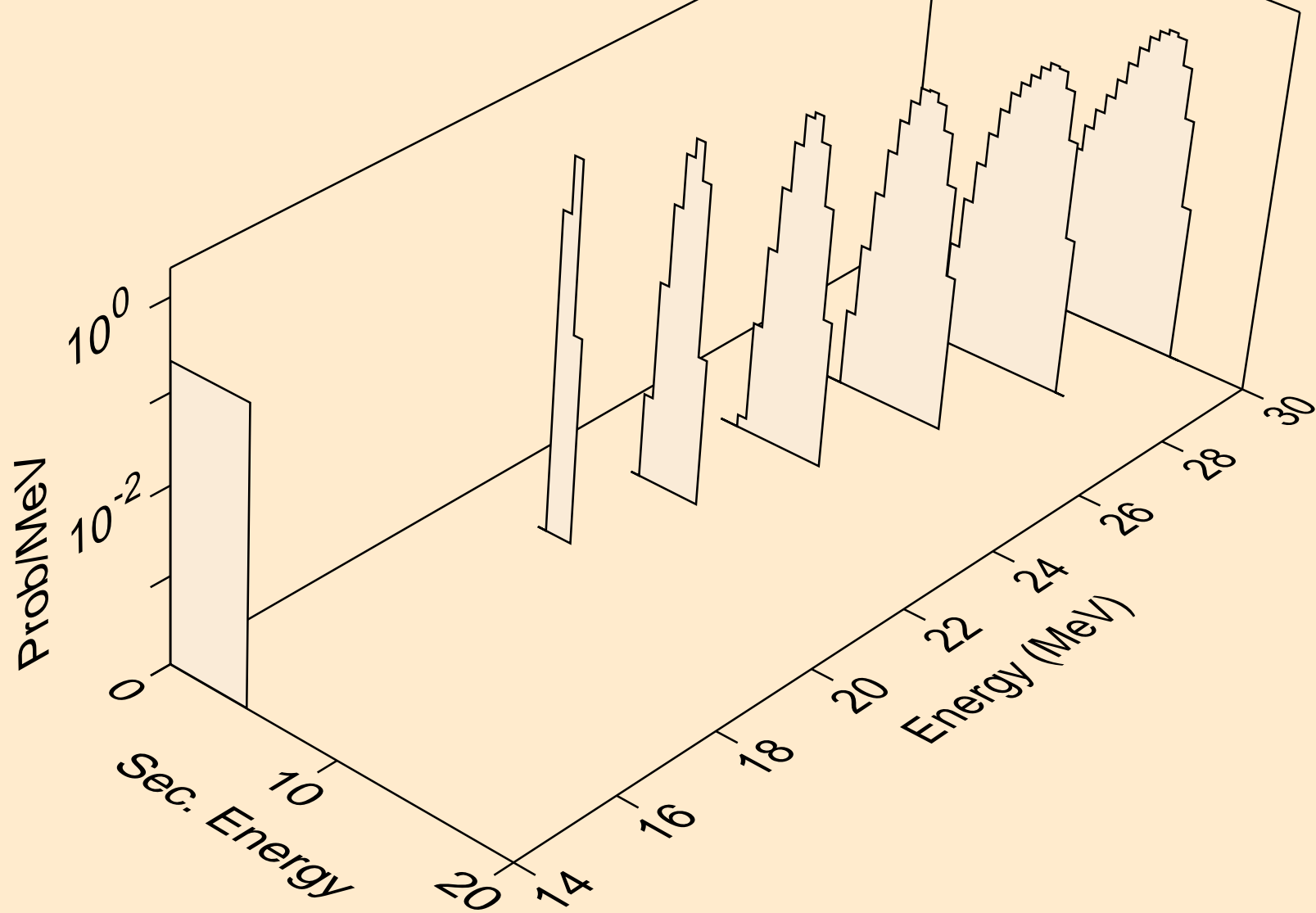




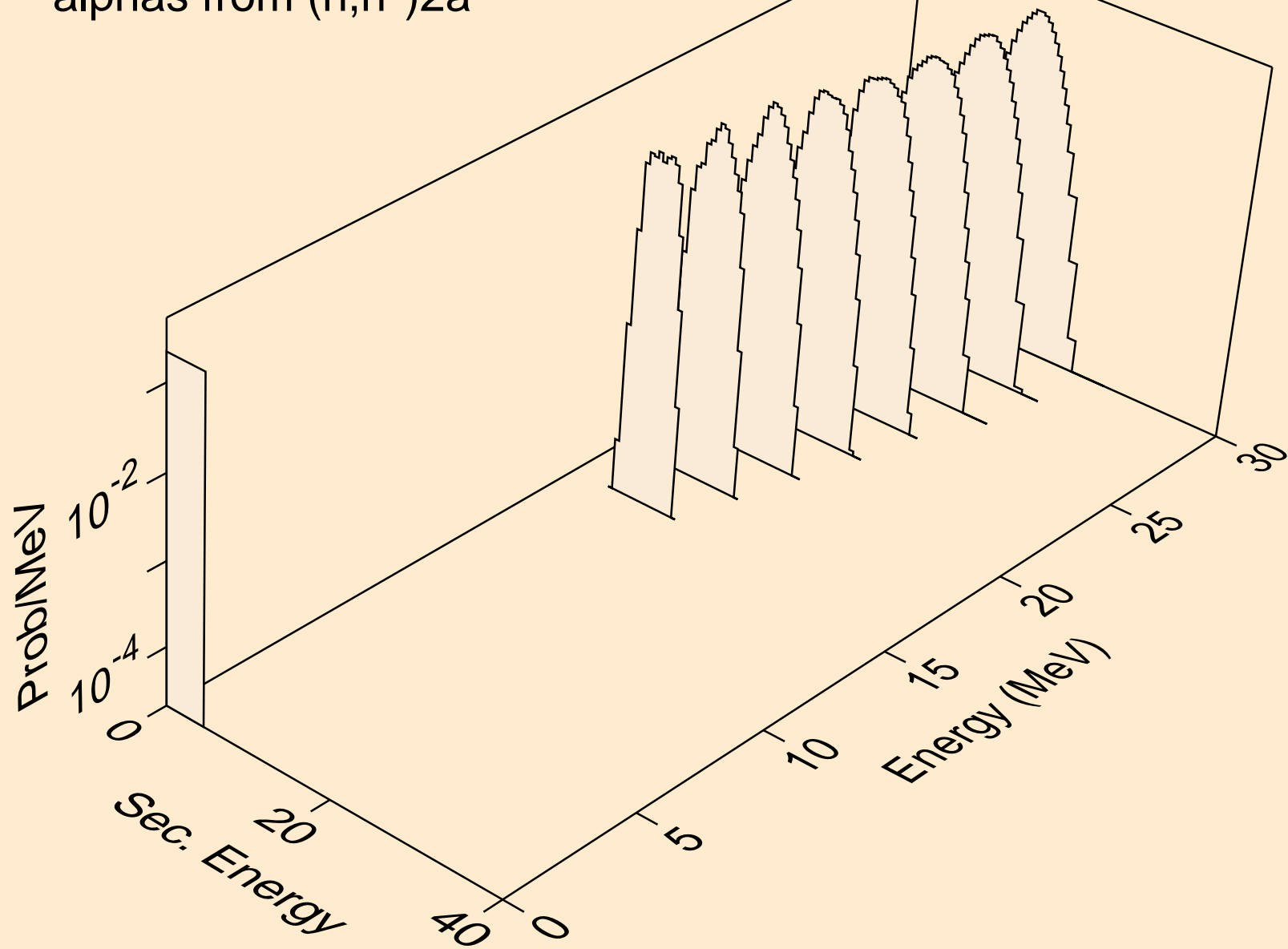
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alphas from (n,2n)a



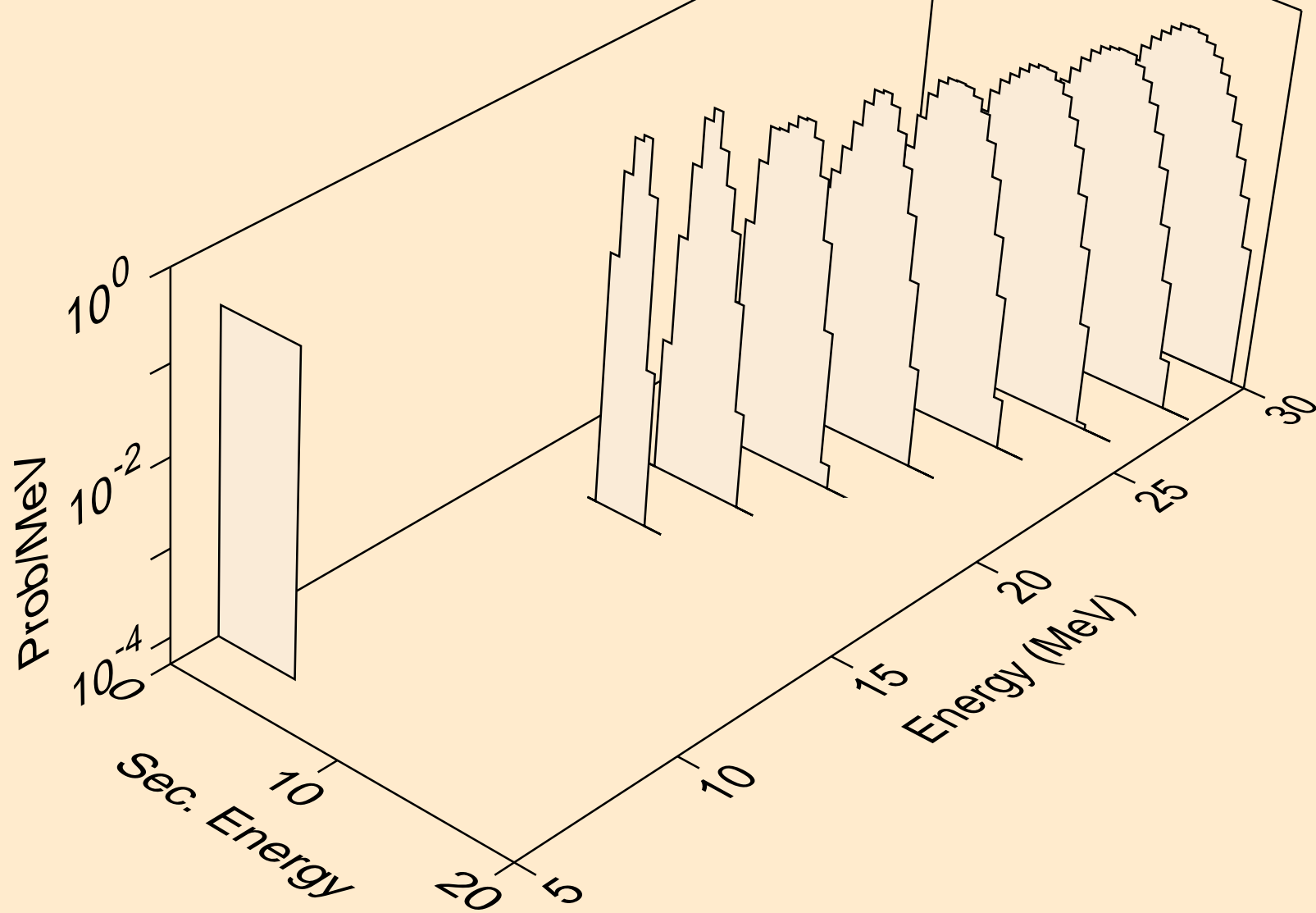
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alphas from (n,3n)a



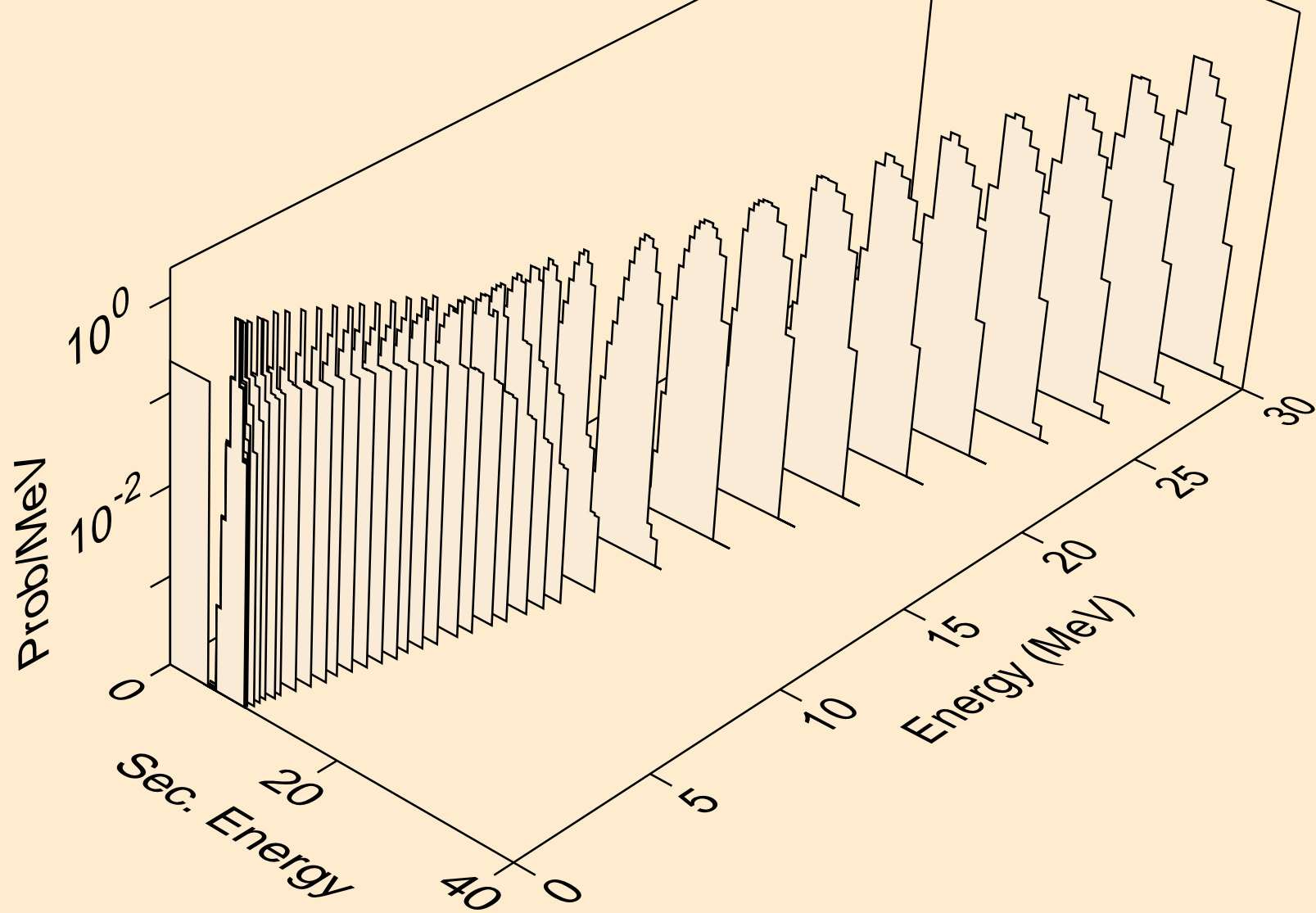
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alphas from (n,n\*)2a



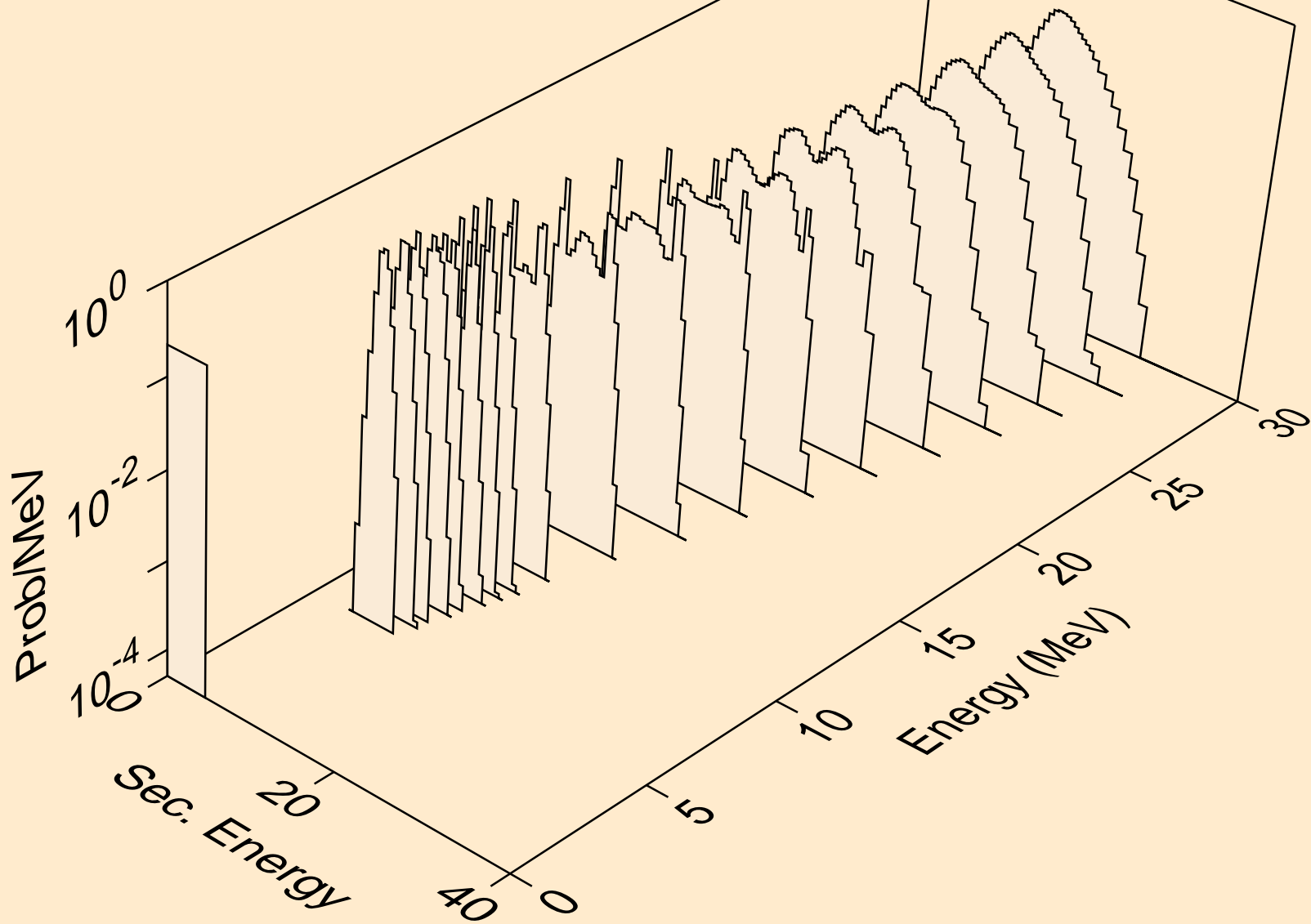
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alphas from (n,npa)



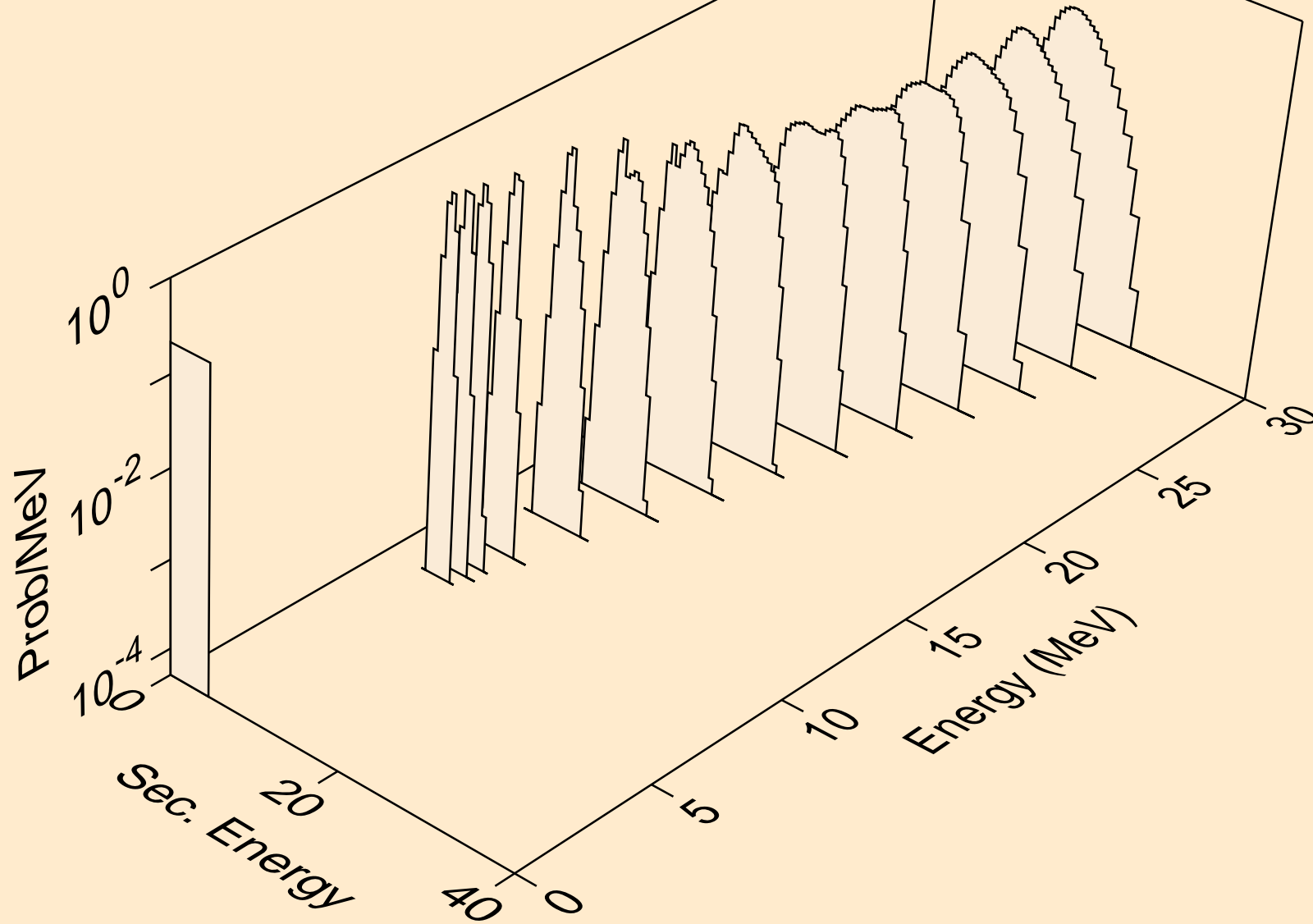
ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



ER165 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

